
























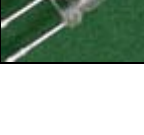






























Super Bright LED














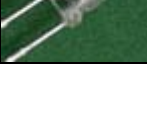
3mm















Photo	Part No.	Emitted Colour	Chip	Electro-Optical Characteristics (IF= 20mA)					Viewing Angle (deg)
			Material	λ D (nm)	Vf (V)	Iv (mcd)			
					Typ.	Max.	Min.	Typ.	
	B3N-447-IX	Blue	InGaN	470	3.2	3.8	1100	1700	15
	B3N-447-KX	Blue	InGaN	470	3.2	3.8	3500	5000	15
	B3N-447-LX	Blue	InGaN	470	3.2	3.8	4600	7000	15
	B3b-447-KX	Blue	InGaN	470	3.2	3.8	3500	5000	15
	B3b-447-LX	Blue	InGaN	470	3.2	3.8	4600	7000	15
	B3N-443-20	Green	AlGaInP	572	2.0	2.4	900	1200	20
	B3N-443-B505	Green	InGaN	505	3.2	3.8	2800	4000	20
	B3N-443-E505	Green	InGaN	505	3.2	3.8	5300	8000	20
	B3N-443-A515	Green	InGaN	515	3.2	3.8	3000	4500	20
	B3N-443-B525	Green	InGaN	525	3.2	3.8	3800	5500	20
	B3N-443-E525	Green	InGaN	525	3.2	3.8	6600	10000	20
	B3N-444-20	Yellow	AlGaInP	592	2.0	2.4	1250	1900	20















	B3N-444-50	Yellow	AlGaInP	592	2.0	2.4	2300	3500	20
	B3N-444-85	Yellow	AlGaInP	592	2.0	2.4	6000	9000	20
	B3N-444-TY	Yellow	AlGaInP	588	2.3	2.7	4300	6500	20
	B3N-445-30S	Amber	AlGaInP	605	2.0	2.4	1300	2000	20
	B3N-445-50S	Amber	AlGaInP	605	2.0	2.4	2000	3000	20
	B3N-445-30SOL	Red	AlGaInP	625	2.0	2.4	1400	2100	20
	B3N-445-50SOL	Red	AlGaInP	625	2.0	2.4	2300	3500	20
	B3N-445-85SOL	Red	AlGaInP	625	2.0	2.4	6000	9000	20
	B3N-445-TL	Red	AlGaInP	625	2.2	2.7	4900	7000	20
	B3N-440-KBS	White	InGaN	-	3.2	3.8	5330	8000	20
	B3N-440-LBS	White	InGaN	-	3.2	3.8	7000	10500	20
	B3N-44SUN-LBS	Warm White	InGaN	-	3.2	3.8	4600	7000	20
	B3b-447-UV	UV	InGaN/SiC	405	3.2	3.8	24	40	20
	B3b-443-20	Green	AlGaInP	572	2.0	2.4	900	1200	20














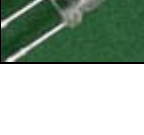
	B3b-443-B505	Green	InGaN	505	3.2	3.8	2800	4000	20
	B3b-443-E505	Green	InGaN	505	3.2	3.8	5300	8000	20
	B3b-443-A515	Green	InGaN	515	3.2	3.8	3000	4500	20
	B3b-443-B525	Green	InGaN	525	3.2	3.8	3800	5500	20
	B3b-443-E525	Green	InGaN	525	3.2	3.8	6600	10000	20
	B3b-444-20	Yellow	AlGaInP	592	2.0	2.4	1250	1900	20
	B3b-444-50	Yellow	AlGaInP	592	2.0	2.4	2300	3500	20
	B3b-444-85	Yellow	AlGaInP	592	2.0	2.4	6000	9000	20
	B3b-444-TY	Yellow	AlGaInP	588	2.3	2.7	4300	6500	20
	B3b-445-30S	Amber	AlGaInP	605	2.0	2.4	1300	2000	20
	B3b-445-50S	Amber	AlGaInP	605	2.0	2.4	2000	3000	20
	B3b-445-30SOL	Red	AlGaInP	625	2.0	2.4	1400	2100	20
	B3b-445-50SOL	Red	AlGaInP	625	2.0	2.4	2300	3500	20
	B3b-445-85SOL	Red	AlGaInP	625	2.0	2.4	6000	9000	20






	B3b-445-TL	Red	AlGaInP	625	2.2	2.7	4900	7000	20
	B3b-449-FB	Pink	InGaN	-	3.2	3.8	1200	1800	20
	B3b-440-KBS	White	InGaN	-	3.2	3.8	5330	8000	20
	B3b-440-LBS	White	InGaN	-	3.2	3.8	7000	10500	20
	B3b-44SUN-LBS	Warm White	InGaN	-	3.2	3.8	4600	7000	20
	B3N-447-KD	Blue	InGaN	470	3.2	3.8	1300	2000	30
	B3N-447-LD	Blue	InGaN	470	3.2	3.8	2600	4000	30
	B3N-443-20D	Green	AlGaInP	572	2.0	2.4	600	900	30
	B3N-443-B505D	Green	InGaN	505	3.2	3.8	2400	3500	30
	B3N-443-E505D	Green	InGaN	505	3.2	3.8	4600	7000	30
	B3N-443-A515D	Green	InGaN	515	3.2	3.8	2600	4000	30
	B3N-443-B525D	Green	InGaN	525	3.2	3.8	3500	5000	30
	B3N-443-E525D	Green	InGaN	525	3.2	3.8	5600	8500	30
	B3N-444-20D	Yellow	AlGaInP	592	2.0	2.4	1200	1800	30

	B3N-444-50D	Yellow	AlGaInP	592	2.0	2.4	2000	3000	30
	B3N-444-85D	Yellow	AlGaInP	592	2.0	2.4	4300	6500	30
	B3N-444-TYD	Yellow	AlGaInP	588	2.3	2.7	3300	5000	30
	B3N-445-30DS	Amber	AlGaInP	605	2.0	2.4	1100	1700	30
	B3N-445-50DS	Amber	AlGaInP	605	2.0	2.4	1800	2700	30
	B3N-445-30DSOL	Red	AlGaInP	625	2.0	2.4	1200	1800	30
	B3N-445-50DSOL	Red	AlGaInP	625	2.0	2.4	1800	2700	30
	B3N-445-85DSOL	Red	AlGaInP	625	2.0	2.4	3300	5000	30
	B3N-445-TLD	Red	AlGaInP	625	2.2	2.7	3300	5000	30
	B3N-440-LDS	White	InGaN	-	3.2	3.8	5000	7500	30
	B3N-44SUN-LDS	Warm White	InGaN	-	3.2	3.8	3300	5000	30
	B3b-447-KD	Blue	InGaN	470	3.2	3.8	1300	2000	30
	B3b-447-LD	Blue	InGaN	470	3.2	3.8	2600	4000	30
	B3b-443-20D	Green	AlGaInP	572	2.0	2.4	600	900	30








	B3b-443-B505D	Green	InGaN	505	3.2	3.8	2400	3500	30
	B3b-443-E505D	Green	InGaN	505	3.2	3.8	4600	7000	30
	B3b-443-A515D	Green	InGaN	515	3.2	3.8	2600	4000	30
	B3b-443-B525D	Green	InGaN	525	3.2	3.8	3500	5000	30
	B3b-443-E525D	Green	InGaN	525	3.2	3.8	5600	8500	30
	B3b-444-20D	Yellow	AlGaInP	592	2.0	2.4	1200	1800	30
	B3b-444-50D	Yellow	AlGaInP	592	2.0	2.4	2000	3000	30
	B3b-444-85D	Yellow	AlGaInP	592	2.0	2.4	4300	6500	30
	B3b-444-TYD	Yellow	AlGaInP	588	2.0	2.4	3300	5000	30
	B3b-445-30DS	Amber	AlGaInP	605	2.0	2.4	1100	1700	30
	B3b-445-50DS	Amber	AlGaInP	605	2.0	2.4	1800	2700	30
	B3b-445-30DSOL	Red	AlGaInP	625	2.0	2.4	1200	1800	30
	B3b-445-50DSOL	Red	AlGaInP	625	2.0	2.4	1800	2700	30
	B3b-445-85DSOL	Red	AlGaInP	625	2.0	2.4	3300	5000	30








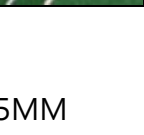
	B3b-445-TLD	Red	AlGaInP	625	2.2	2.7	3300	5000	30
	B3b-440-LDS	White	InGaN	-	3.2	3.8	6000	9000	30
	B3b-44SUN-LDS	Warm White	InGaN	-	3.2	3.8	3300	5000	30
	B3N-447-KH	Blue	InGaN	470	3.2	3.8	930	1400	45
	B3N-447-LH	Blue	InGaN	470	3.2	3.8	1600	2400	45
	B3N-443-20H	Green	AlGaInP	572	2.0	2.4	400	600	45
	B3N-443-B525H	Green	InGaN	525	3.2	3.8	3000	4500	45
	B3N-443-E525H	Green	InGaN	525	3.2	3.8	5000	7500	45
	B3N-444-20H	Yellow	AlGaInP	592	2.0	2.4	600	900	45
	B3N-444-50H	Yellow	AlGaInP	592	2.0	2.4	1200	1800	45
	B3N-444-TYH	Yellow	AlGaInP	588	2.3	2.7	3000	4500	45
	B3N-445-30SH	Amber	AlGaInP	605	2.0	2.4	1000	1500	45
	B3N-445-50SH	Amber	AlGaInP	605	2.0	2.4	1300	2000	45
	B3N-445-30SOLH	Red	AlGaInP	625	2.0	2.4	800	1200	45

	B3N-445-50SOLH	Red	AlGaInP	625	2.0	2.4	1300	2000	45
	B3N-445-85SOLH	Red	AlGaInP	625	2.0	2.4	3000	4500	45
	B3N-445-TLH	Red	AlGaInP	625	2.2	2.7	3000	4500	45
	B3N-440-LHS	White	InGaN	-	3.2	3.8	4000	6000	45
	B3b-447-KH	Blue	InGaN	470	3.2	3.8	930	1400	45
	B3b-447-LH	Blue	InGaN	470	3.2	3.8	1600	2400	45
	B3b-443-20H	Green	AlGaInP	572	2.0	2.4	400	600	45
	B3b-443-B525H	Green	InGaN	525	3.2	3.8	3000	4500	45
	B3b-443-E525H	Green	InGaN	525	3.2	3.8	5000	7500	45
	B3b-444-20H	Yellow	AlGaInP	592	2.0	2.4	600	900	45
	B3b-444-50H	Yellow	AlGaInP	592	2.0	2.4	1200	1800	45
	B3b-444-TYH	Yellow	AlGaInP	588	2.0	2.4	3000	4500	45
	B3b-445-30SH	Amber	AlGaInP	605	2.0	2.4	1000	1500	45
	B3b-445-50SH	Amber	AlGaInP	605	2.0	2.4	1300	2000	45

	B3b-445-30SOLH	Red	AlGaInP	625	2.0	2.4	800	1200	45
	B3b-445-50SOLH	Red	AlGaInP	625	2.0	2.4	1300	2000	45
	B3b-445-85SOLH	Red	AlGaInP	625	2.0	2.4	3000	4500	45
	B3b-445-TLH	Red	AlGaInP	625	2.2	2.7	3000	4500	45
	B3b-440-LHS	White	InGaN	-	3.2	3.8	4000	6000	45















4.8MM
















Photo	Part No.	Emitted Colour	Chip		Electro-Optical Characteristics (IF= 20mA)				Viewing Angle (deg)
			Material	λ D (nm)	Vf (V)		Iv (mcd)		
					Typ.	Max.	Min.	Typ.	
	B4G-437-KX	Blue	InGaN	470	3.2	3.8	500	750	110
	B4G-437-LX	Blue	InGaN	470	3.2	3.8	700	1100	110
	B4G-433-A515	Green	InGaN	515	3.2	3.8	660	1000	110
	B4G-433-B525	Green	InGaN	525	3.2	3.8	800	1200	110
	B4G-433-E525	Green	InGaN	525	3.2	3.8	1530	2300	110
	B4G-434-50	Yellow	AlGaInP	592	2.0	2.4	260	400	110
	B4G-434-85	Yellow	AlGaInP	592	2.0	2.4	1000	1600	110




	B4G-434-TY	Yellow	AlGaInP	592	2.3	2.7	1060	1600	110
	B4G-435-50S	Amber	AlGaInP	605	2.0	2.4	260	400	110
	B4G-435-50	Orange	AlGaInP	615	2.0	2.4	260	400	110
	B4G-435-50SOL	Red	AlGaInP	625	2.0	2.4	260	400	110
	B4G-435-85SOL	Red	AlGaInP	625	2.0	2.4	1000	1600	110
	B4G-435-TL	Red	AlGaInP	625	2.2	2.7	1060	1600	110
	B4G-430-MHV	White	InGaN	-	3.2	3.8	1300	2000	120
	B4G-43SUN-LS	White	InGaN	-	3.2	3.8	660	1000	110
















5MM
















Photo	Part No.	Emitted Colour	Chip		Electro-Optical Characteristics (IF= 20mA)				Viewing Angle (deg)
			Material	λ D (nm)	Vf (V)		Iv (mcd)		
					Typ.	Max.	Min.	Typ.	
	B5b-437-KX	Blue	InGaN	470	3.2	3.8	4600	7000	8
	B5b-437-LX	Blue	InGaN	470	3.2	3.8	7780	10120	8
	B5b-433-20	Green	AlGaInP	572	2.0	2.4	3000	4500	8
	B5b-433-B505	Green	InGaN	505	3.2	3.8	7200	10800	8















	B5b-433-E505	Green	InGaN	505	3.2	3.8	9600	14500	8
	B5b-433-A515	Green	InGaN	515	3.2	3.8	7000	10000	8
	B5b-433-B525	Green	InGaN	525	3.2	3.8	9000	13500	8
	B5b-433-E525	Green	InGaN	525	3.2	3.8	12600	19000	8
	B5b-434-20	Yellow	AlGaInP	592	2.0	2.4	4600	7000	8
	B5b-434-50	Yellow	AlGaInP	592	2.0	2.4	6000	9000	8
	B5b-434-85	Yellow	AlGaInP	592	2.0	2.4	13300	20000	8
	B5b-434-TY	Yellow	AlGaInP	592	2.3	2.7	9000	13500	8
	B5b-435-30S	Amber	AlGaInP	605	2.0	2.4	4000	6000	8
	B5b-435-50S	Amber	AlGaInP	605	2.0	2.4	5000	7500	8
	B5b-435-30	Orange	AlGaInP	615	2.0	2.4	4000	6000	8
	B5b-435-50	Orange	AlGaInP	615	2.0	2.4	5000	7500	8
	B5b-435-30SOL	Red	AlGaInP	625	2.0	2.4	4600	7000	8
	B5b-435-50SOL	Red	AlGaInP	625	2.0	2.4	6000	9100	8
















	B5b-435-85SOL	Red	AlGaInP	625	2.0	2.4	14000	21000	8
	B5b-435-TL	Red	AlGaInP	625	2.2	2.7	9000	13500	8
	B5b-436-10	Red	GaAlAs	645	2.0	2.4	930	1400	8
	B5b-440-KS	White	InGaN	-	3.2	3.8	7300	11000	8
	B5b-440-LS	White	InGaN	-	3.2	3.8	12000	18000	8
	B5-437-KX	Blue	InGaN	470	3.2	3.8	3600	5500	15
	B5-437-LX	Blue	InGaN	470	3.2	3.8	5300	8000	15
	B5-437-MX	Blue	InGaN	470	3.2	3.8	7000	10500	15
	B5-437-UV	UV	InGaN/ SiC	400	3.2	3.8	25	40	15
	B5-433-20	Green	AlGaInP	592	2.0	2.2	1400	2100	15
	B5-433-B505	Green	InGaN	505	3.2	3.8	5600	8500	15
	B5-433-E505	Green	InGaN	505	3.2	3.8	12000	18000	15
	B5-433-A515	Green	InGaN	515	3.2	3.8	5600	8500	15
	B5-433-B525	Green	InGaN	525	3.2	3.8	6600	10000	15
	B5-433-E525	Green	InGaN	525	3.2	3.8	12000	18000	15















	B5-434-20	Yellow	AlGaInP	592	2.0	2.4	3400	5200	15
	B5-434-50	Yellow	AlGaInP	592	2.0	2.4	5000	7500	15
	B5-434-85	Yellow	AlGaInP	592	2.0	2.4	12000	18000	15
	B5-434-TY	Yellow	AlGaInP	588	2.3	2.7	7000	10500	15
	B5-435-30S	Amber	AlGaInP	605	2.0	2.4	2600	4000	15
	B5-435-50S	Amber	AlGaInP	605	2.0	2.4	4000	6000	15
	B5-435-30	Orange	AlGaInP	615	2.0	2.4	2600	4000	15
	B5-435-50	Orange	AlGaInP	615	2.0	2.4	4000	6000	15
	B5-435-30SOL	Red	AlGaInP	625	2.0	2.4	3000	4000	15
	B5-435-50SOL	Red	AlGaInP	625	2.0	2.4	4600	7000	15
	B5-435-85SOL	Red	AlGaInP	625	2.0	2.4	12000	18000	15
	B5-435-TL	Red	AlGaInP	625	2.2	2.7	7000	10500	15
	B5-440-KXS	White	InGaN	-	3.2	3.8	9000	13500	15
	B5-440-LXS	White	InGaN	-	3.2	3.8	16000	24000	15
	B5-43SUN-LXS	Warm White	InGaN	-	3.2	3.8	11000	16500	15
















	B5-232	Red	GaP	660	2.1	2.6	10	20	15
	B5-233	Green	GaP	570	2.1	2.6	60	100	15
	B5-234	Yellow	GaAsP / GaP	588	2.1	2.6	50	80	15
	B5-235	Orange	GaAsP / GaP	625	2.1	2.6	60	100	15
	B5-432	Red	GaP	660	2.1	2.6	10	20	15
	B5-433	Green	GaP	570	2.1	2.6	60	100	15
	B5-434	Yellow	GaAsP / GaP	588	2.1	2.6	50	80	15
	B5-435	Orange	GaAsP / GaP	625	2.1	2.6	60	100	15
	B5N-437-KX	Blue	InGaN	470	3.2	3.8	3600	5500	15
	B5N-437-LX	Blue	InGaN	470	3.2	3.8	5300	8000	15
	B5N-433-20	Green	AlGaInP	570	2.0	2.4	1400	2100	15
	B5N-433-B505	Green	InGaN	505	3.2	3.8	5600	8500	15
	B5N-433-E505	Green	InGaN	505	3.2	3.8	12000	18000	15
	B5N-433-A515	Green	InGaN	515	3.2	3.8	5600	8500	15
	B5N-433-B525	Green	InGaN	525	3.2	3.8	6600	10000	15















	B5N-433-E525	Green	InGaN	525	3.2	3.8	12000	18000	15
	B5N-434-20	Yellow	AlGaInP	592	2.0	2.4	3400	5200	15
	B5N-434-50	Yellow	AlGaInP	592	2.0	2.4	5000	7500	15
	B5N-434-85	Yellow	AlGaInP	592	2.0	2.4	12000	18000	15
	B5N-434-TY	Yellow	AlGaInP	588	2.3	2.7	7000	10500	15
	B5N-435-30S	Amber	AlGaInP	605	2.0	2.4	3300	5000	15
	B5N-435-50S	Amber	AlGaInP	605	2.0	2.4	4300	6500	15
	B5N-435-30SOL	Red	AlGaInP	625	2.0	2.4	3000	4000	15
	B5N-435-50SOL	Red	AlGaInP	625	2.0	2.4	4600	7000	15
	B5N-435-85SOL	Red	AlGaInP	625	2.0	2.4	12000	18000	15
	B5N-435-TL	Red	AlGaInP	625	2.2	2.7	7000	10500	15
	B5N-432	Red	GaP	660	2.1	2.6	10	20	15
	B5N-433	Green	GaP	570	2.1	2.6	60	100	15
	B5N-434	Yellow	GaAsP / GaP	588	2.1	2.6	50	80	15
	B5N-435	Orange	GaAsP / GaP	625	2.1	2.6	60	100	15










	B5-437-KB	Blue	InGaN	470	3.2	3.8	3400	5200	20
	B5-437-LB	Blue	InGaN	470	3.2	3.8	4600	7000	20
	B5-433-20B	Green	AlGaInP	592	2.0	2.2	1300	2000	20
	B5-439-FB	Pink	InGaN	-	3.2	3.8	2000	3000	20
	B5-440-KBS	White	InGaN	-	3.2	3.8	8000	12000	20
	B5-440-LBS	White	InGaN	-	3.2	3.8	14600	22000	20
	B5N-437-KB	Blue	InGaN	470	3.2	3.8	3400	5200	20
	B5N-437-LB	Blue	InGaN	470	3.2	3.8	4600	7000	20
	B5N-433-20B	Green	AlGaInP	570	2.0	2.4	1600	2300	20
	B5N-434-20B	Yellow	AlGaInP	592	2.0	2.4	2300	3500	20
	B5N-434-50B	Yellow	AlGaInP	592	2.0	2.4	3600	5500	20
	B5N-434-85B	Yellow	AlGaInP	592	2.0	2.4	10000	15000	20
	B5N-434-TYB	Yellow	AlGaInP	588	2.3	2.7	8600	13000	20
	B5N-435-30SB	Amber	AlGaInP	605	2.0	2.4	2300	3500	20
	B5N-435-50SB	Amber	AlGaInP	605	2.0	2.4	3600	5500	20



	B5N-435-30SOLB	Red	AlGaInP	625	2.0	2.4	2600	3800	20
	B5N-435-50SOLB	Red	AlGaInP	625	2.0	2.4	4300	6500	20
	B5N-435-TLB	Red	AlGaInP	625	2.2	2.7	8600	13000	20
	B5N-440-KBS	White	InGaN	-	3.2	3.8	6600	10000	20
	B5N-440-LBS	White	InGaN	-	3.2	3.8	10000	15000	20
	B5N-440-MBS	White	InGaN	-	3.2	3.8	16000	24000	20
	B5-437-KD	Blue	InGaN	470	3.2	3.8	3060	4600	30
	B5-437-LD	Blue	InGaN	470	3.2	3.8	3300	5000	30
	B5-433-20D	Green	AlGaInP	592	2.0	2.2	1200	1700	30
	B5-433-B505D	Green	InGaN	505	3.2	3.8	5000	7500	30
	B5-433-E505D	Green	InGaN	505	3.2	3.8	10000	15000	30
	B5-433-A515D	Green	InGaN	515	3.2	3.8	4600	7000	30
	B5-433-B525D	Green	InGaN	525	3.2	3.8	6000	9000	30
	B5-433-E525D	Green	InGaN	525	3.2	3.8	10000	15000	30
	B5-434-20D	Yellow	AlGaInP	592	2.0	2.4	3000	4500	30

	B5-434-50D	Yellow	AlGaInP	592	2.0	2.4	4000	6000	30
	B5-434-85D	Yellow	AlGaInP	592	2.0	2.4	6300	9500	30
	B5-434-TYD	Yellow	AlGaInP	588	2.3	2.7	6000	9000	30
	B5-435-30DS	Amber	AlGaInP	605	2.0	2.4	2000	3000	30
	B5-435-50DS	Amber	AlGaInP	605	2.0	2.4	3300	5000	30
	B5-435-30DSOL	Red	AlGaInP	625	2.0	2.4	2000	3000	30
	B5-435-50DSOL	Red	AlGaInP	625	2.0	2.4	3300	5000	30
	B5-435-85DSOL	Red	AlGaInP	625	2.0	2.4	6000	9000	30
	B5-435-TLD	Red	AlGaInP	625	2.2	2.7	6000	9000	30
	B5-440-LDS	White	InGaN	-	3.2	3.8	12000	18000	30
	B5-43SUN-LDS	Warm White	InGaN	-	3.2	3.8	8000	12000	30
	B5N-437-KD	Blue	InGaN	470	3.2	3.8	3060	4600	30
	B5N-437-LD	Blue	InGaN	470	3.2	3.8	3300	5000	30
	B5N-433-20D	Green	AlGaInP	570	2.0	2.4	1200	1700	30
	B5N-433-B505D	Green	InGaN	505	3.2	3.8	5000	7500	30











	B5N-433-E505D	Green	InGaN	505	3.2	3.8	10000	15000	30
	B5N-433-A515D	Green	InGaN	515	3.2	3.8	4600	7000	30
	B5N-433-B525D	Green	InGaN	525	3.2	3.8	6000	9000	30
	B5N-433-E525D	Green	InGaN	525	3.2	3.8	10000	15000	30
	B5N-434-20D	Yellow	AlGaInP	592	2.0	2.4	3000	4500	30
	B5N-434-50D	Yellow	AlGaInP	592	2.0	2.4	4000	6000	30
	B5N-434-85D	Yellow	AlGaInP	592	2.0	2.4	6300	9500	30
	B5N-434-TYD	Yellow	AlGaInP	588	2.3	2.7	6000	9000	30
	B5N-435-30DSOL	Red	AlGaInP	625	2.0	2.4	2000	3000	30
	B5N-435-50DSOL	Red	AlGaInP	625	2.0	2.4	3300	5000	30
	B5N-435-85DSOL	Red	AlGaInP	625	2.0	2.4	6000	9000	30
	B5N-435-TLD	Red	AlGaInP	625	2.2	2.7	6000	9000	30
	B5-437-KH	Blue	InGaN	470	3.2	3.8	1600	2500	45
	B5-437-LH	Blue	InGaN	470	3.2	3.8	2100	3200	45
	B5-433-20H	Green	AlGaInP	592	2.0	2.2	660	1000	45















	B5-433-B505H	Green	InGaN	505	3.2	3.8	2400	3500	45
	B5-433-E505H	Green	InGaN	505	3.2	3.8	6300	9500	45
	B5-433-A515H	Green	InGaN	515	3.2	3.8	3300	5000	45
	B5-433-B525H	Green	InGaN	525	3.2	3.8	4400	6600	45
	B5-433-E525H	Green	InGaN	525	3.2	3.8	6300	9500	45
	B5-434-20H	Yellow	AlGaInP	592	2.0	2.4	930	1400	45
	B5-434-50H	Yellow	AlGaInP	592	2.0	2.4	2000	3000	45
	B5-434-85H	Yellow	AlGaInP	592	2.0	2.4	5200	7800	45
	B5-434-TYH	Yellow	AlGaInP	588	2.3	2.7	4000	6000	45
	B5-435-50SH	Amber	AlGaInP	605	2.0	2.4	2000	3000	45
	B5-435-30SOLH	Red	AlGaInP	625	2.0	2.4	1000	1500	45
	B5-435-50SOLH	Red	AlGaInP	625	2.0	2.4	1460	2200	45
	B5-435-85SOLH	Red	AlGaInP	625	2.0	2.4	5200	7800	45
	B5-435-TLH	Red	AlGaInP	625	2.2	2.7	4000	6000	45
	B5-440-KH32SU	White	InGaN	-	3.2	3.8	3000	4500	45




	B5-440-LH32S	White	InGaN	-	3.2	3.8	4660	7000	45
	B5N-437-KH	Blue	InGaN	470	3.2	3.8	1600	2500	45
	B5N-437-LH	Blue	InGaN	470	3.2	3.8	2100	3200	45
	B5N-433-B505H	Green	InGaN	505	3.2	3.8	2400	3500	45
	B5N-433-20H	Green	AlGaInP	570	3.2	3.8	660	1000	45
	B5N-433-E505H	Green	InGaN	505	3.2	3.8	6300	9500	45
	B5N-433-A515H	Green	InGaN	515	3.2	3.8	3300	5000	45
	B5N-433-B525H	Green	InGaN	525	3.2	3.8	4400	6600	45
	B5N-434-20H	Yellow	AlGaInP	592	2.0	2.4	930	1400	45
	B5N-434-50H	Yellow	AlGaInP	592	2.0	2.4	2000	3000	45
	B5N-434-85H	Yellow	AlGaInP	592	2.0	2.4	5200	7800	45
	B5N-434-TYH	Yellow	AlGaInP	588	2.3	2.7	4000	6000	45
	B5N-435-50SH	Amber	AlGaInP	605	2.0	2.4	2000	3000	45
	B5N-435-30SOLH	Red	AlGaInP	625	2.0	2.4	1000	1500	45
	B5N-435-50SOLH	Red	AlGaInP	625	2.0	2.4	1460	2200	45

	B5N-435-85SOLH	Red	AlGaInP	625	2.0	2.4	5200	7800	45
	B5N-435-TLH	Red	AlGaInP	625	2.2	2.7	4000	6000	45










8MM














Photo	Part No.	Emitted Colour	Chip		Electro-Optical Characteristics (IF= 20mA)				Viewing Angle (deg)
			Material	λ_D (nm)	Vf (V)		Iv (mcd)		
					Typ.	Max.	Min.	Typ.	
	B8a-437-KX	Blue	InGaN	470	3.2	3.8	2800	4200	30
	B8a-437-LX	Blue	InGaN	470	3.2	3.8	4600	6900	30
	B8a-433-B505	Green	InGaN	505	3.2	3.8	4500	6800	30
	B8a-433-E505	Green	InGaN	505	3.2	3.8	8000	12000	30
	B8a-433-A515	Green	InGaN	515	3.2	3.8	4200	6300	30
	B8a-433-B525	Green	InGaN	525	3.2	3.8	5400	8100	30
	B8a-433-E525	Green	InGaN	525	3.2	3.8	8600	13000	30
	B8a-434-20	Yellow	AlGaInP	592	2.0	2.4	2600	4000	30
	B8a-434-50	Yellow	AlGaInP	592	2.0	2.4	3600	5400	30
	B8a-434-85	Yellow	AlGaInP	592	2.0	2.4	7000	10500	30

	B8a-434-TY	Yellow	AlGaInP	592	2.3	2.7	5400	8100	30
	B8a-435-30S	Amber	AlGaInP	605	2.0	2.4	1200	1800	30
	B8a-435-50S	Amber	AlGaInP	605	2.0	2.4	3000	4500	30
	B8a-435-30SOL	Red	AlGaInP	625	2.0	2.4	1800	2700	30
	B8a-435-50SOL	Red	AlGaInP	625	2.0	2.4	3000	4500	30
	B8a-435-85SOL	Red	AlGaInP	625	2.0	2.4	6600	10000	30
	B8a-435-TL	Red	AlGaInP	625	2.2	2.7	5400	8100	30
	B8a-440-KS	White	InGaN	-	3.2	3.8	3600	5400	30
	B8a-440-LS	White	InGaN	-	3.2	3.8	7300	11000	30
	B8a-44SUN-LS	White	InGaN	-	3.2	3.8	-	-	30
	B8a-135R	Red	GaAsP / GaP	630	2.1	2.6	20	30	60
	B8a-133	Green	GaP	570	2.1	2.6	15	30	60
	B8a-134	Yellow	GaAsP / GaP	588	2.1	2.6	15	25	60
	B8a-135	Orange	GaAsP / GaP	625	2.1	2.6	20	30	60

	B8a-435	Orange	GaAsP / GaP	625	2.1	2.6	15	25	20
	B8a-433	Green	GaP	570	2.1	2.6	20	40	20
	B8a-434	Yellow	GaAsP / GaP	588	2.1	2.6	20	30	20













10MM















Photo	Part No.	Emitted Colour	Chip		Electro-Optical Characteristics (IF= 20mA)				Viewing Angle (deg)
			Material	λD (nm)	Vf (V)		Iv (mcd)		
					Typ.	Max.	Min.	Typ.	
	B10a-437-IX	Blue	InGaN	470	3.2	3.8	1200	1900	30
	B10a-437-KX	Blue	InGaN	470	3.2	3.8	2800	4200	30
	B10a-437-LX	Blue	InGaN	470	3.2	3.8	4600	6900	30
	B10a-433-B505	Green	InGaN	505	3.2	3.8	4600	7000	30
	B10a-433-E505	Green	InGaN	505	3.2	3.8	8600	13000	30
	B10a-433-A515	Green	InGaN	515	3.2	3.8	4200	6300	30
	B10a-433-B525	Green	InGaN	525	3.2	3.8	5400	8100	30
	B10a-433-E525	Green	InGaN	525	3.2	3.8	8600	13000	30
	B10a-434-20	Yellow	AlGaInP	592	2.0	2.4	2600	4000	30















	B10a-434-50	Yellow	AlGaInP	592	2.0	2.4	3600	5400	30
	B10a-434-85	Yellow	AlGaInP	592	2.0	2.4	6000	9000	30
	B10a-434-TY	Yellow	AlGaInP	592	2.3	2.7	5400	8100	30
	B10a-435-30S	Amber	AlGaInP	605	2.0	2.4	1300	2000	30
	B10a-435-50S	Amber	AlGaInP	605	2.0	2.4	3000	4500	30
	B10a-435-30SOL	Red	AlGaInP	625	2.0	2.4	1800	2700	30
	B10a-435-50SOL	Red	AlGaInP	625	2.0	2.4	3000	4500	30
	B10a-435-85SOL	Red	AlGaInP	625	2.0	2.4	6000	9000	30
	B10a-435-TL	Red	AlGaInP	625	2.2	2.7	5400	8100	30
	B10a-436-4	Red	GaAlAs	645	1.9	2.4	150	240	30
	B10a-436-10	Red	GaAlAs	645	1.9	2.4	360	540	30
	B10a-440-KS	White	InGaN	-	3.2	3.8	3600	5400	30
	B10a-440-LS	White	InGaN	-	3.2	3.8	7300	11000	30















Round LED














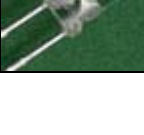
3mm















Photo	Part No.	Emitted Colour	Chip	Electro-Optical Characteristics (IF= 20mA)					Viewing Angle (deg)
			Material	λ D (nm)	Vf (V)	Iv (mcd)			
					Typ.	Max.	Min.	Typ.	
	B3N-447-IX	Blue	InGaN	470	3.2	3.8	1100	1700	15
	B3N-447-KX	Blue	InGaN	470	3.2	3.8	3500	5000	15
	B3N-447-LX	Blue	InGaN	470	3.2	3.8	4600	7000	15
	B3b-447-KX	Blue	InGaN	470	3.2	3.8	3500	5000	15
	B3b-447-LX	Blue	InGaN	470	3.2	3.8	4600	7000	15
	B3N-443-20	Green	AlGaInP	572	2.0	2.4	900	1200	20
	B3N-443-B505	Green	InGaN	505	3.2	3.8	2800	4000	20
	B3N-443-E505	Green	InGaN	505	3.2	3.8	5300	8000	20
	B3N-443-A515	Green	InGaN	515	3.2	3.8	3000	4500	20
	B3N-443-B525	Green	InGaN	525	3.2	3.8	3800	5500	20
	B3N-443-E525	Green	InGaN	525	3.2	3.8	6600	10000	20
	B3N-444-20	Yellow	AlGaInP	592	2.0	2.4	1250	1900	20















	B3N-444-50	Yellow	AlGaInP	592	2.0	2.4	2300	3500	20
	B3N-444-85	Yellow	AlGaInP	592	2.0	2.4	6000	9000	20
	B3N-444-TY	Yellow	AlGaInP	588	2.3	2.7	4300	6500	20
	B3N-445-30S	Amber	AlGaInP	605	2.0	2.4	1300	2000	20
	B3N-445-50S	Amber	AlGaInP	605	2.0	2.4	2000	3000	20
	B3N-445-30SOL	Red	AlGaInP	625	2.0	2.4	1400	2100	20
	B3N-445-50SOL	Red	AlGaInP	625	2.0	2.4	2300	3500	20
	B3N-445-85SOL	Red	AlGaInP	625	2.0	2.4	6000	9000	20
	B3N-445-TL	Red	AlGaInP	625	2.2	2.7	4900	7000	20
	B3N-440-KBS	White	InGaN	-	3.2	3.8	5330	8000	20
	B3N-440-LBS	White	InGaN	-	3.2	3.8	7000	10500	20
	B3N-44SUN-LBS	Warm White	InGaN	-	3.2	3.8	4600	7000	20
	B3b-447-UV	UV	InGaN/SiC	405	3.2	3.8	24	40	20
	B3b-443-20	Green	AlGaInP	572	2.0	2.4	900	1200	20














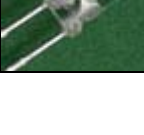
	B3b-443-B505	Green	InGaN	505	3.2	3.8	2800	4000	20
	B3b-443-E505	Green	InGaN	505	3.2	3.8	5300	8000	20
	B3b-443-A515	Green	InGaN	515	3.2	3.8	3000	4500	20
	B3b-443-B525	Green	InGaN	525	3.2	3.8	3800	5500	20
	B3b-443-E525	Green	InGaN	525	3.2	3.8	6600	10000	20
	B3b-444-20	Yellow	AlGaInP	592	2.0	2.4	1250	1900	20
	B3b-444-50	Yellow	AlGaInP	592	2.0	2.4	2300	3500	20
	B3b-444-85	Yellow	AlGaInP	592	2.0	2.4	6000	9000	20
	B3b-444-TY	Yellow	AlGaInP	588	2.3	2.7	4300	6500	20
	B3b-445-30S	Amber	AlGaInP	605	2.0	2.4	1300	2000	20
	B3b-445-50S	Amber	AlGaInP	605	2.0	2.4	2000	3000	20
	B3b-445-30SOL	Red	AlGaInP	625	2.0	2.4	1400	2100	20
	B3b-445-50SOL	Red	AlGaInP	625	2.0	2.4	2300	3500	20
	B3b-445-85SOL	Red	AlGaInP	625	2.0	2.4	6000	9000	20















	B3b-445-TL	Red	AlGaInP	625	2.2	2.7	4900	7000	20
	B3b-449-FB	Pink	InGaN	-	3.2	3.8	1200	1800	20
	B3b-440-KBS	White	InGaN	-	3.2	3.8	5330	8000	20
	B3b-440-LBS	White	InGaN	-	3.2	3.8	7000	10500	20
	B3b-44SUN-LBS	Warm White	InGaN	-	3.2	3.8	4600	7000	20
	B3N-447-KD	Blue	InGaN	470	3.2	3.8	1300	2000	30
	B3N-447-LD	Blue	InGaN	470	3.2	3.8	2600	4000	30
	B3N-443-20D	Green	AlGaInP	572	2.0	2.4	600	900	30
	B3N-443-B505D	Green	InGaN	505	3.2	3.8	2400	3500	30
	B3N-443-E505D	Green	InGaN	505	3.2	3.8	4600	7000	30
	B3N-443-A515D	Green	InGaN	515	3.2	3.8	2600	4000	30
	B3N-443-B525D	Green	InGaN	525	3.2	3.8	3500	5000	30
	B3N-443-E525D	Green	InGaN	525	3.2	3.8	5600	8500	30
	B3N-444-20D	Yellow	AlGaInP	592	2.0	2.4	1200	1800	30

	B3N-444-50D	Yellow	AlGaInP	592	2.0	2.4	2000	3000	30
	B3N-444-85D	Yellow	AlGaInP	592	2.0	2.4	4300	6500	30
	B3N-444-TYD	Yellow	AlGaInP	588	2.3	2.7	3300	5000	30
	B3N-445-30DS	Amber	AlGaInP	605	2.0	2.4	1100	1700	30
	B3N-445-50DS	Amber	AlGaInP	605	2.0	2.4	1800	2700	30
	B3N-445-30DSOL	Red	AlGaInP	625	2.0	2.4	1200	1800	30
	B3N-445-50DSOL	Red	AlGaInP	625	2.0	2.4	1800	2700	30
	B3N-445-85DSOL	Red	AlGaInP	625	2.0	2.4	3300	5000	30
	B3N-445-TLD	Red	AlGaInP	625	2.2	2.7	3300	5000	30
	B3N-440-LDS	White	InGaN	-	3.2	3.8	5000	7500	30
	B3N-44SUN-LDS	Warm White	InGaN	-	3.2	3.8	3300	5000	30
	B3b-447-KD	Blue	InGaN	470	3.2	3.8	1300	2000	30
	B3b-447-LD	Blue	InGaN	470	3.2	3.8	2600	4000	30
	B3b-443-20D	Green	AlGaInP	572	2.0	2.4	600	900	30













	B3b-443-B505D	Green	InGaN	505	3.2	3.8	2400	3500	30
	B3b-443-E505D	Green	InGaN	505	3.2	3.8	4600	7000	30
	B3b-443-A515D	Green	InGaN	515	3.2	3.8	2600	4000	30
	B3b-443-B525D	Green	InGaN	525	3.2	3.8	3500	5000	30
	B3b-443-E525D	Green	InGaN	525	3.2	3.8	5600	8500	30
	B3b-444-20D	Yellow	AlGaInP	592	2.0	2.4	1200	1800	30
	B3b-444-50D	Yellow	AlGaInP	592	2.0	2.4	2000	3000	30
	B3b-444-85D	Yellow	AlGaInP	592	2.0	2.4	4300	6500	30
	B3b-444-TYD	Yellow	AlGaInP	588	2.0	2.4	3300	5000	30
	B3b-445-30DS	Amber	AlGaInP	605	2.0	2.4	1100	1700	30
	B3b-445-50DS	Amber	AlGaInP	605	2.0	2.4	1800	2700	30
	B3b-445-30DSOL	Red	AlGaInP	625	2.0	2.4	1200	1800	30
	B3b-445-50DSOL	Red	AlGaInP	625	2.0	2.4	1800	2700	30
	B3b-445-85DSOL	Red	AlGaInP	625	2.0	2.4	3300	5000	30




	B3b-445-TLD	Red	AlGaInP	625	2.2	2.7	3300	5000	30
	B3b-440-LDS	White	InGaN	-	3.2	3.8	6000	9000	30
	B3b-44SUN-LDS	Warm White	InGaN	-	3.2	3.8	3300	5000	30
	B3N-447-KH	Blue	InGaN	470	3.2	3.8	930	1400	45
	B3N-447-LH	Blue	InGaN	470	3.2	3.8	1600	2400	45
	B3N-443-20H	Green	AlGaInP	572	2.0	2.4	400	600	45
	B3N-443-B525H	Green	InGaN	525	3.2	3.8	3000	4500	45
	B3N-443-E525H	Green	InGaN	525	3.2	3.8	5000	7500	45
	B3N-444-20H	Yellow	AlGaInP	592	2.0	2.4	600	900	45
	B3N-444-50H	Yellow	AlGaInP	592	2.0	2.4	1200	1800	45
	B3N-444-TYH	Yellow	AlGaInP	588	2.3	2.7	3000	4500	45
	B3N-445-30SH	Amber	AlGaInP	605	2.0	2.4	1000	1500	45
	B3N-445-50SH	Amber	AlGaInP	605	2.0	2.4	1300	2000	45
	B3N-445-30SOLH	Red	AlGaInP	625	2.0	2.4	800	1200	45

	B3N-445-50SOLH	Red	AlGaInP	625	2.0	2.4	1300	2000	45
	B3N-445-85SOLH	Red	AlGaInP	625	2.0	2.4	3000	4500	45
	B3N-445-TLH	Red	AlGaInP	625	2.2	2.7	3000	4500	45
	B3N-440-LHS	White	InGaN	-	3.2	3.8	4000	6000	45
	B3b-447-KH	Blue	InGaN	470	3.2	3.8	930	1400	45
	B3b-447-LH	Blue	InGaN	470	3.2	3.8	1600	2400	45
	B3b-443-20H	Green	AlGaInP	572	2.0	2.4	400	600	45
	B3b-443-B525H	Green	InGaN	525	3.2	3.8	3000	4500	45
	B3b-443-E525H	Green	InGaN	525	3.2	3.8	5000	7500	45
	B3b-444-20H	Yellow	AlGaInP	592	2.0	2.4	600	900	45
	B3b-444-50H	Yellow	AlGaInP	592	2.0	2.4	1200	1800	45
	B3b-444-TYH	Yellow	AlGaInP	588	2.0	2.4	3000	4500	45
	B3b-445-30SH	Amber	AlGaInP	605	2.0	2.4	1000	1500	45
	B3b-445-50SH	Amber	AlGaInP	605	2.0	2.4	1300	2000	45










	B3b-445-30SOLH	Red	AlGaInP	625	2.0	2.4	800	1200	45
	B3b-445-50SOLH	Red	AlGaInP	625	2.0	2.4	1300	2000	45
	B3b-445-85SOLH	Red	AlGaInP	625	2.0	2.4	3000	4500	45
	B3b-445-TLH	Red	AlGaInP	625	2.2	2.7	3000	4500	45
	B3b-440-LHS	White	InGaN	-	3.2	3.8	4000	6000	45
	B3b-142	Red	GaP	660	2.1	2.6	2	5	60
	B3b-143	Green	GaP	570	2.1	2.6	15	25	60
	B3b-144	Yellow	GaAsP / GaP	588	2.1	2.6	15	20	60
	B3b-145	Orange	GaAsP / GaP	625	2.1	2.6	15	25	60
	B3b-145R	Red	GaAsP / GaP	630	2.0	2.6	15	25	60
	B3b-146-4	Red	GaAlAs	645	1.9	2.4	85	130	60
	B3N-142	Red	GaP	660	2.1	2.6	2	5	60
	B3N-143	Green	GaP	570	2.1	2.6	15	25	60
	B3N-144	Yellow	GaAsP / GaP	588	2.1	2.6	15	20	60















4.8MM















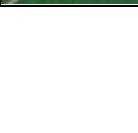
Photo	Part No.	Emitted Colour	Chip		Electro-Optical Characteristics (IF= 20mA)				Viewing Angle (deg)
			Material	λD (nm)	Vf (V)		Iv (mcd)		
					Typ.	Max.	Min.	Typ.	
	B4G-437-KX	Blue	InGaN	470	3.2	3.8	500	750	110
	B4G-437-LX	Blue	InGaN	470	3.2	3.8	700	1100	110
	B4G-433-A515	Green	InGaN	515	3.2	3.8	660	1000	110
	B4G-433-B525	Green	InGaN	525	3.2	3.8	800	1200	110
	B4G-433-E525	Green	InGaN	525	3.2	3.8	1530	2300	110
	B4G-434-50	Yellow	AlGaInP	592	2.0	2.4	260	400	110
	B4G-434-85	Yellow	AlGaInP	592	2.0	2.4	1000	1600	110
	B4G-434-TY	Yellow	AlGaInP	592	2.3	2.7	1060	1600	110
	B4G-435-50S	Amber	AlGaInP	605	2.0	2.4	260	400	110
	B4G-435-50	Orange	AlGaInP	615	2.0	2.4	260	400	110
	B4G-435-50SOL	Red	AlGaInP	625	2.0	2.4	260	400	110
	B4G-435-85SOL	Red	AlGaInP	625	2.0	2.4	1000	1600	110
















	B4G-435-TL	Red	AlGaInP	625	2.2	2.7	1060	1600	110
	B4G-430-MHV	White	InGaN	-	3.2	3.8	1300	2000	120
	B4G-43SUN-LS	White	InGaN	-	3.2	3.8	660	1000	110
















5MM
















Photo	Part No.	Emitted Colour	Chip Material	Electro-Optical Characteristics (IF= 20mA)					Viewing Angle (deg)
				λ_D (nm)	Vf (V)	Iv (mcd)			
					Typ.	Max.	Min.	Typ.	
	B5b-437-KX	Blue	InGaN	470	3.2	3.8	4600	7000	8
	B5b-437-LX	Blue	InGaN	470	3.2	3.8	7780	10120	8
	B5b-433-20	Green	AlGaInP	572	2.0	2.4	3000	4500	8
	B5b-433-B505	Green	InGaN	505	3.2	3.8	7200	10800	8
	B5b-433-E505	Green	InGaN	505	3.2	3.8	9600	14500	8
	B5b-433-A515	Green	InGaN	515	3.2	3.8	7000	10000	8
	B5b-433-B525	Green	InGaN	525	3.2	3.8	9000	13500	8
	B5b-433-E525	Green	InGaN	525	3.2	3.8	12600	19000	8
	B5b-434-20	Yellow	AlGaInP	592	2.0	2.4	4600	7000	8
















	B5b-434-50	Yellow	AlGaInP	592	2.0	2.4	6000	9000	8
	B5b-434-85	Yellow	AlGaInP	592	2.0	2.4	13300	20000	8
	B5b-434-TY	Yellow	AlGaInP	592	2.3	2.7	9000	13500	8
	B5b-435-30S	Amber	AlGaInP	605	2.0	2.4	4000	6000	8
	B5b-435-50S	Amber	AlGaInP	605	2.0	2.4	5000	7500	8
	B5b-435-30	Orange	AlGaInP	615	2.0	2.4	4000	6000	8
	B5b-435-50	Orange	AlGaInP	615	2.0	2.4	5000	7500	8
	B5b-435-30SOL	Red	AlGaInP	625	2.0	2.4	4600	7000	8
	B5b-435-50SOL	Red	AlGaInP	625	2.0	2.4	6000	9100	8
	B5b-435-85SOL	Red	AlGaInP	625	2.0	2.4	14000	21000	8
	B5b-435-TL	Red	AlGaInP	625	2.2	2.7	9000	13500	8
	B5b-436-10	Red	GaAlAs	645	2.0	2.4	930	1400	8
	B5b-436-30	Red	GaAlAs	645	2.0	2.4	2300	3500	8
	B5b-440-KS	White	InGaN	-	3.2	3.8	7300	11000	8
















	B5b-440-LS	White	InGaN	-	3.2	3.8	12000	18000	8
	B5-437-KX	Blue	InGaN	470	3.2	3.8	3600	5500	15
	B5-437-LX	Blue	InGaN	470	3.2	3.8	5300	8000	15
	B5-437-MX	Blue	InGaN	470	3.2	3.8	7000	10500	15
	B5-437-UV	UV	InGaN/ SiC	400	3.2	3.8	25	40	15
	B5-433-20	Green	AlGaInP	592	2.0	2.2	1400	2100	15
	B5-433-B505	Green	InGaN	505	3.2	3.8	5600	8500	15
	B5-433-E505	Green	InGaN	505	3.2	3.8	12000	18000	15
	B5-433-A515	Green	InGaN	515	3.2	3.8	5600	8500	15
	B5-433-B525	Green	InGaN	525	3.2	3.8	6600	10000	15
	B5-433-E525	Green	InGaN	525	3.2	3.8	12000	18000	15
	B5-434-20	Yellow	AlGaInP	592	2.0	2.4	3400	5200	15
	B5-434-50	Yellow	AlGaInP	592	2.0	2.4	5000	7500	15
	B5-434-85	Yellow	AlGaInP	592	2.0	2.4	12000	18000	15
	B5-434-TY	Yellow	AlGaInP	588	2.3	2.7	7000	10500	15
















	B5-435-30S	Amber	AlGaInP	605	2.0	2.4	2600	4000	15
	B5-435-50S	Amber	AlGaInP	605	2.0	2.4	4000	6000	15
	B5-435-30	Orange	AlGaInP	615	2.0	2.4	2600	4000	15
	B5-435-50	Orange	AlGaInP	615	2.0	2.4	4000	6000	15
	B5-435-30SOL	Red	AlGaInP	625	2.0	2.4	3000	4000	15
	B5-435-50SOL	Red	AlGaInP	625	2.0	2.4	4600	7000	15
	B5-435-85SOL	Red	AlGaInP	625	2.0	2.4	12000	18000	15
	B5-435-TL	Red	AlGaInP	625	2.2	2.7	7000	10500	15
	B5-440-KXS	White	InGaN	-	3.2	3.8	9000	13500	15
	B5-440-LXS	White	InGaN	-	3.2	3.8	16000	24000	15
	B5-43SUN-LXS	Warm White	InGaN	-	3.2	3.8	11000	16500	15
	B5-232	Red	GaP	660	2.1	2.6	10	20	15
	B5-233	Green	GaP	570	2.1	2.6	60	100	15
	B5-234	Yellow	GaAsP / GaP	588	2.1	2.6	50	80	15
	B5-235	Orange	GaAsP / GaP	625	2.1	2.6	60	100	15
















	B5-432	Red	GaP	660	2.1	2.6	10	20	15
	B5-433	Green	GaP	570	2.1	2.6	60	100	15
	B5-434	Yellow	GaAsP / GaP	588	2.1	2.6	50	80	15
	B5-435	Orange	GaAsP / GaP	625	2.1	2.6	60	100	15
	B5N-437-KX	Blue	InGaN	470	3.2	3.8	3600	5500	15
	B5N-437-LX	Blue	InGaN	470	3.2	3.8	5300	8000	15
	B5N-433-20	Green	AlGaInP	570	2.0	2.4	1400	2100	15
	B5N-433-B505	Green	InGaN	505	3.2	3.8	5600	8500	15
	B5N-433-E505	Green	InGaN	505	3.2	3.8	12000	18000	15
	B5N-433-A515	Green	InGaN	515	3.2	3.8	5600	8500	15
	B5N-433-B525	Green	InGaN	525	3.2	3.8	6600	10000	15
	B5N-433-E525	Green	InGaN	525	3.2	3.8	12000	18000	15
	B5N-434-20	Yellow	AlGaInP	592	2.0	2.4	3400	5200	15
	B5N-434-50	Yellow	AlGaInP	592	2.0	2.4	5000	7500	15
	B5N-434-85	Yellow	AlGaInP	592	2.0	2.4	12000	18000	15











	B5N-434-TY	Yellow	AlGaInP	588	2.3	2.7	7000	10500	15
	B5N-435-30S	Amber	AlGaInP	605	2.0	2.4	3300	5000	15
	B5N-435-50S	Amber	AlGaInP	605	2.0	2.4	4300	6500	15
	B5N-435-30SOL	Red	AlGaInP	625	2.0	2.4	3000	4000	15
	B5N-435-50SOL	Red	AlGaInP	625	2.0	2.4	4600	7000	15
	B5N-435-85SOL	Red	AlGaInP	625	2.0	2.4	12000	18000	15
	B5N-435-TL	Red	AlGaInP	625	2.2	2.7	7000	10500	15
	B5N-432	Red	GaP	660	2.1	2.6	10	20	15
	B5N-433	Green	GaP	570	2.1	2.6	60	100	15
	B5N-434	Yellow	GaAsP / GaP	588	2.1	2.6	50	80	15
	B5N-435	Orange	GaAsP / GaP	625	2.1	2.6	60	100	15
	B5-437-KB	Blue	InGaN	470	3.2	3.8	3400	5200	20
	B5-437-LB	Blue	InGaN	470	3.2	3.8	4600	7000	20
	B5-433-20B	Green	AlGaInP	592	2.0	2.2	1300	2000	20
	B5-439-FB	Pink	InGaN	-	3.2	3.8	2000	3000	20
















	B5-440-KBS	White	InGaN	-	3.2	3.8	8000	12000	20
	B5-440-LBS	White	InGaN	-	3.2	3.8	14600	22000	20
	B5N-437-KB	Blue	InGaN	470	3.2	3.8	3400	5200	20
	B5N-437-LB	Blue	InGaN	470	3.2	3.8	4600	7000	20
	B5N-433-20B	Green	AlGaInP	570	2.0	2.4	1600	2300	20
	B5N-434-20B	Yellow	AlGaInP	592	2.0	2.4	2300	3500	20
	B5N-434-50B	Yellow	AlGaInP	592	2.0	2.4	3600	5500	20
	B5N-434-85B	Yellow	AlGaInP	592	2.0	2.4	10000	15000	20
	B5N-434-TYB	Yellow	AlGaInP	588	2.3	2.7	8600	13000	20
	B5N-435-30SB	Amber	AlGaInP	605	2.0	2.4	2300	3500	20
	B5N-435-50SB	Amber	AlGaInP	605	2.0	2.4	3600	5500	20
	B5N-435-30SOLB	Red	AlGaInP	625	2.0	2.4	2600	3800	20
	B5N-435-50SOLB	Red	AlGaInP	625	2.0	2.4	4300	6500	20
	B5N-435-TLB	Red	AlGaInP	625	2.2	2.7	8600	13000	20
	B5N-440-KBS	White	InGaN	-	3.2	3.8	6600	10000	20





	B5N-440-LBS	White	InGaN	-	3.2	3.8	10000	15000	20
	B5N-440-MBS	White	InGaN	-	3.2	3.8	16000	24000	20
	B5-437-KD	Blue	InGaN	470	3.2	3.8	3060	4600	30
	B5-437-LD	Blue	InGaN	470	3.2	3.8	3300	5000	30
	B5-433-20D	Green	AlGaInP	592	2.0	2.2	1200	1700	30
	B5-433-B505D	Green	InGaN	505	3.2	3.8	5000	7500	30
	B5-433-E505D	Green	InGaN	505	3.2	3.8	10000	15000	30
	B5-433-A515D	Green	InGaN	515	3.2	3.8	4600	7000	30
	B5-433-B525D	Green	InGaN	525	3.2	3.8	6000	9000	30
	B5-433-E525D	Green	InGaN	525	3.2	3.8	10000	15000	30
	B5-434-20D	Yellow	AlGaInP	592	2.0	2.4	3000	4500	30
	B5-434-50D	Yellow	AlGaInP	592	2.0	2.4	4000	6000	30
	B5-434-85D	Yellow	AlGaInP	592	2.0	2.4	6300	9500	30
	B5-434-TYD	Yellow	AlGaInP	588	2.3	2.7	6000	9000	30
	B5-435-30DS	Amber	AlGaInP	605	2.0	2.4	2000	3000	30

	B5-435-50DS	Amber	AlGaInP	605	2.0	2.4	3300	5000	30
	B5-435-30DSOL	Red	AlGaInP	625	2.0	2.4	2000	3000	30
	B5-435-50DSOL	Red	AlGaInP	625	2.0	2.4	3300	5000	30
	B5-435-85DSOL	Red	AlGaInP	625	2.0	2.4	6000	9000	30
	B5-435-TLD	Red	AlGaInP	625	2.2	2.7	6000	9000	30
	B5-440-LDS	White	InGaN	-	3.2	3.8	12000	18000	30
	B5-43SUN-LDS	Warm White	InGaN	-	3.2	3.8	8000	12000	30
	B5N-437-KD	Blue	InGaN	470	3.2	3.8	3060	4600	30
	B5N-437-LD	Blue	InGaN	470	3.2	3.8	3300	5000	30
	B5N-433-20D	Green	AlGaInP	570	2.0	2.4	1200	1700	30
	B5N-433-B505D	Green	InGaN	505	3.2	3.8	5000	7500	30
	B5N-433-E505D	Green	InGaN	505	3.2	3.8	10000	15000	30
	B5N-433-A515D	Green	InGaN	515	3.2	3.8	4600	7000	30
	B5N-433-B525D	Green	InGaN	525	3.2	3.8	6000	9000	30
	B5N-433-E525D	Green	InGaN	525	3.2	3.8	10000	15000	30









	B5N-434-20D	Yellow	AlGaInP	592	2.0	2.4	3000	4500	30
	B5N-434-50D	Yellow	AlGaInP	592	2.0	2.4	4000	6000	30
	B5N-434-85D	Yellow	AlGaInP	592	2.0	2.4	6300	9500	30
	B5N-434-TYD	Yellow	AlGaInP	588	2.3	2.7	6000	9000	30
	B5N-435-30DSOL	Red	AlGaInP	625	2.0	2.4	2000	3000	30
	B5N-435-50DSOL	Red	AlGaInP	625	2.0	2.4	3300	5000	30
	B5N-435-85DSOL	Red	AlGaInP	625	2.0	2.4	6000	9000	30
	B5N-435-TLD	Red	AlGaInP	625	2.2	2.7	6000	9000	30
	B5-437-KH	Blue	InGaN	470	3.2	3.8	1600	2500	45
	B5-437-LH	Blue	InGaN	470	3.2	3.8	2100	3200	45
	B5-433-20H	Green	AlGaInP	592	2.0	2.2	660	1000	45
	B5-433-B505H	Green	InGaN	505	3.2	3.8	2400	3500	45
	B5-433-E505H	Green	InGaN	505	3.2	3.8	6300	9500	45
	B5-433-A515H	Green	InGaN	515	3.2	3.8	3300	5000	45
	B5-433-B525H	Green	InGaN	525	3.2	3.8	4400	6600	45















	B5-433-E525H	Green	InGaN	525	3.2	3.8	6300	9500	45
	B5-434-20H	Yellow	AlGaInP	592	2.0	2.4	930	1400	45
	B5-434-50H	Yellow	AlGaInP	592	2.0	2.4	2000	3000	45
	B5-434-85H	Yellow	AlGaInP	592	2.0	2.4	5200	7800	45
	B5-434-TYH	Yellow	AlGaInP	588	2.3	2.7	4000	6000	45
	B5-435-50SH	Amber	AlGaInP	605	2.0	2.4	2000	3000	45
	B5-435-30SOLH	Red	AlGaInP	625	2.0	2.4	1000	1500	45
	B5-435-50SOLH	Red	AlGaInP	625	2.0	2.4	1460	2200	45
	B5-435-85SOLH	Red	AlGaInP	625	2.0	2.4	5200	7800	45
	B5-435-TLH	Red	AlGaInP	625	2.2	2.7	4000	6000	45
	B5-440-KH32SU	White	InGaN	-	3.2	3.8	3000	4500	45
	B5-440-LH32S	White	InGaN	-	3.2	3.8	4660	7000	45
	B5N-437-KH	Blue	InGaN	470	3.2	3.8	1600	2500	45
	B5N-437-LH	Blue	InGaN	470	3.2	3.8	2100	3200	45
	B5N-433-B505H	Green	InGaN	505	3.2	3.8	2400	3500	45






	B5N-433-20H	Green	AlGaInP	570	3.2	3.8	660	1000	45
	B5N-433-E505H	Green	InGaN	505	3.2	3.8	6300	9500	45
	B5N-433-A515H	Green	InGaN	515	3.2	3.8	3300	5000	45
	B5N-433-B525H	Green	InGaN	525	3.2	3.8	4400	6600	45
	B5N-434-20H	Yellow	AlGaInP	592	2.0	2.4	930	1400	45
	B5N-434-50H	Yellow	AlGaInP	592	2.0	2.4	2000	3000	45
	B5N-434-85H	Yellow	AlGaInP	592	2.0	2.4	5200	7800	45
	B5N-434-TYH	Yellow	AlGaInP	588	2.3	2.7	4000	6000	45
	B5N-435-50SH	Amber	AlGaInP	605	2.0	2.4	2000	3000	45
	B5N-435-30SOLH	Red	AlGaInP	625	2.0	2.4	1000	1500	45
	B5N-435-50SOLH	Red	AlGaInP	625	2.0	2.4	1460	2200	45
	B5N-435-85SOLH	Red	AlGaInP	625	2.0	2.4	5200	7800	45
	B5N-435-TLH	Red	AlGaInP	625	2.2	2.7	4000	6000	45
	B5-132	Red	GaP	660	2.1	2.6	2	6	50
	B5-133	Green	GaP	570	2.1	2.6	20	40	50

	B5-134	Yellow	GaAsP / GaP	588	2.1	2.6	20	35	50
	B5-135	Orange	GaAsP / GaP	625	2.1	2.6	20	35	50
	B5-135R	Red	GaAsP / GaP	630	2.1	2.6	20	40	50
	B5-136-4	Red	GaAlAs	645	1.9	2.4	110	150	50








8MM
















Photo	Part No.	Emitted Colour	Chip		Electro-Optical Characteristics (IF= 20mA)				Viewing Angle (deg)
			Material	λ D (nm)	Vf (V)		Iv (mcd)		
					Typ.	Max.	Min.	Typ.	
	B8a-437-KX	Blue	InGaN	470	3.2	3.8	2800	4200	30
	B8a-437-LX	Blue	InGaN	470	3.2	3.8	4600	6900	30
	B8a-433-B505	Green	InGaN	505	3.2	3.8	4500	6800	30
	B8a-433-E505	Green	InGaN	505	3.2	3.8	8000	12000	30
	B8a-433-A515	Green	InGaN	515	3.2	3.8	4200	6300	30
	B8a-433-B525	Green	InGaN	525	3.2	3.8	5400	8100	30
	B8a-433-E525	Green	InGaN	525	3.2	3.8	8600	13000	30
	B8a-434-20	Yellow	AlGaInP	592	2.0	2.4	2600	4000	30

	B8a-434-50	Yellow	AlGaInP	592	2.0	2.4	3600	5400	30
	B8a-434-85	Yellow	AlGaInP	592	2.0	2.4	7000	10500	30
	B8a-434-TY	Yellow	AlGaInP	592	2.3	2.7	5400	8100	30
	B8a-435-30S	Amber	AlGaInP	605	2.0	2.4	1200	1800	30
	B8a-435-50S	Amber	AlGaInP	605	2.0	2.4	3000	4500	30
	B8a-435-30SOL	Red	AlGaInP	625	2.0	2.4	1800	2700	30
	B8a-435-50SOL	Red	AlGaInP	625	2.0	2.4	3000	4500	30
	B8a-435-85SOL	Red	AlGaInP	625	2.0	2.4	6600	10000	30
	B8a-435-TL	Red	AlGaInP	625	2.2	2.7	5400	8100	30
	B8a-440-KS	White	InGaN	-	3.2	3.8	3600	5400	30
	B8a-440-LS	White	InGaN	-	3.2	3.8	7300	11000	30
	B8a-44SUN-LS	White	InGaN	-	3.2	3.8	-	-	30
	B8a-135R	Red	GaAsP / GaP	630	2.1	2.6	20	30	60
	B8a-133	Green	GaP	570	2.1	2.6	15	30	60

	B8a-134	Yellow	GaAsP / GaP	588	2.1	2.6	15	25	60
	B8a-135	Orange	GaAsP / GaP	625	2.1	2.6	20	30	60
	B8a-435	Orange	GaAsP / GaP	625	2.1	2.6	15	25	20
	B8a-433	Green	GaP	570	2.1	2.6	20	40	20
	B8a-434	Yellow	GaAsP / GaP	588	2.1	2.6	20	30	20









10MM

Photo	Part No.	Emitted Colour	Chip		Electro-Optical Characteristics (IF= 20mA)				Viewing Angle (deg)
			Material	λ_D (nm)	Vf (V)		Iv (mcd)		
					Typ.	Max.	Min.	Typ.	
	B10a-437-IX	Blue	InGaN	470	3.2	3.8	1200	1900	30
	B10a-437-KX	Blue	InGaN	470	3.2	3.8	2800	4200	30
	B10a-437-LX	Blue	InGaN	470	3.2	3.8	4600	6900	30
	B10a-433-B505	Green	InGaN	505	3.2	3.8	4600	7000	30
	B10a-433-E505	Green	InGaN	505	3.2	3.8	8600	13000	30
	B10a-433-A515	Green	InGaN	515	3.2	3.8	4200	6300	30
	B10a-433-B525	Green	InGaN	525	3.2	3.8	5400	8100	30



	B10a-433-E525	Green	InGaN	525	3.2	3.8	8600	13000	30
	B10a-434-20	Yellow	AlGaInP	592	2.0	2.4	2600	4000	30
	B10a-434-50	Yellow	AlGaInP	592	2.0	2.4	3600	5400	30
	B10a-434-85	Yellow	AlGaInP	592	2.0	2.4	6000	9000	30
	B10a-434-TY	Yellow	AlGaInP	592	2.3	2.7	5400	8100	30
	B10a-435-30S	Amber	AlGaInP	605	2.0	2.4	1300	2000	30
	B10a-435-50S	Amber	AlGaInP	605	2.0	2.4	3000	4500	30
	B10a-435-30SOL	Red	AlGaInP	625	2.0	2.4	1800	2700	30
	B10a-435-50SOL	Red	AlGaInP	625	2.0	2.4	3000	4500	30
	B10a-435-85SOL	Red	AlGaInP	625	2.0	2.4	6000	9000	30
	B10a-435-TL	Red	AlGaInP	625	2.2	2.7	5400	8100	30
	B10a-436-4	Red	GaAlAs	645	1.9	2.4	150	240	30
	B10a-436-10	Red	GaAlAs	645	1.9	2.4	360	540	30
	B10a-440-KS	White	InGaN	-	3.2	3.8	3600	5400	30
	B10a-440-LS	White	InGaN	-	3.2	3.8	7300	11000	30








Rectangular LED

1.3x4mm

Photo	Part No.	Emitted Colour	Chip		Electro-Optical Characteristics (IF= 20mA)				Viewing Angle (deg)
			Material	λ_D (nm)	Vf (V)		Iv (mcd)		
					Typ.	Max.	Min.	Typ.	
	R1C-447-KX	Blue	InGaN	470	3.2	3.8	260	400	100
	R1C-447-LX	Blue	InGaN	470	3.2	3.8	330	500	100
	R1C-443-20	Green	AlGaInP	572	2.0	2.4	45	70	110
	R1C-443-B525	Green	InGaN	525	3.2	3.8	660	1000	110
	R1C-443-E525	Green	InGaN	525	3.2	3.8	800	1200	110
	R1C-444-50	Yellow	AlGaInP	592	2.0	2.4	120	180	110
	R1C-445-50SOL	Red	AlGaInP	625	2.0	2.4	120	180	110
	R1C-446-10	Red	GaAlAs	645	1.9	2.4	35	50	110

2x5mm

Photo	Part No.	Emitted Colour	Chip		Electro-Optical Characteristics (IF= 20mA)				Viewing Angle (deg)
			Material	λ_D (nm)	Vf (V)		Iv (mcd)		
					Typ.	Max.	Min.	Typ.	
	R2N-437-GX	Blue	InGaN	470	3.2	3.8	160	240	100
	R2N-437-IX	Blue	InGaN	470	3.2	3.8	230	350	100













	R2N-433-A515	Green	InGaN	515	3.2	3.8	530	800	100
	R2N-434-20S	Yellow	AlGaInP	588	2.0	2.4	150	225	100
	R2N-435-50SOL	Red	AlGaInP	625	2.0	2.4	130	200	100
	R2-132	Red	GaP	660	2.1	2.6	1.5	3	110
	R2-135	Orange	GaAsP / GaP	625	2.1	2.6	5	10	110
	R2-133	Green	GaP	570	2.1	2.6	5	10	110
	R2-134	Yellow	GaAsP / GaP	588	2.1	2.6	5	10	110













5x5mm

Photo	Part No.	Emitted Colour	Chip		Electro-Optical Characteristics (IF= 20mA)				Viewing Angle (deg)
			Material	λ_D (nm)	Vf (V)		Iv (mcd)		
					Typ.	Max.	Min.	Typ.	
	R5N-437-GX	Blue	InGaN	470	3.2	3.8	100	150	100
	R5N-433-B525	Green	InGaN	525	3.2	3.8	460	700	100
	R5N-434-50	Yellow	AlGaInP	588	2.0	2.4	230	350	100
	R5N-435-50SOL	Red	AlGaInP	625	2.0	2.4	230	350	100













Cylindrical LED















3mm









Photo	Part No.	Emitted Color.	Chip		Electro-Optical Characteristics (IF= 20mA)				Viewing Angle (deg)
			Material	λ D (nm)	Vf (V)		Iv (mcd)		
					Typ.	Max.	Min.	Typ.	
	C3-447-KX	Blue	InGaN	470	3.2	3.8	120	180	100
	C3-443-20	Green	AlGaInP	572	2.0	2.4	130	200	100
	C3-443-A515	Green	InGaN	515	3.2	3.8	400	600	100
	C3-433-B525	Green	InGaN	525	3.2	3.8	520	780	100
	C3-444-50	Yellow	AlGaInP	592	2.0	2.4	280	420	100
	C3-445-50S	Amber	AlGaInP	605	2.0	2.4	330	500	100
	C3-445-50SOL	Red	AlGaInP	625	2.0	2.4	280	420	100
	C3-449-K	Pink	InGaN	-	3.2	3.8	160	250	100
	C3-440-LS	White	InGaN	-	3.2	3.8	260	400	100
	C3-44SUN-LS	Warm White	InGaN	-	3.2	3.8	160	250	100
	B3C-447-IX	Blue	InGaN	470	3.2	3.8	66	100	130
	B3C-447-KX	Blue	InGaN	470	3.2	3.8	80	120	130

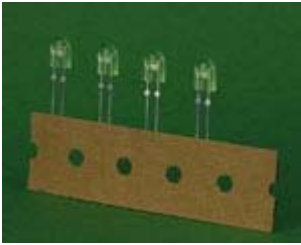
	B3C-443-20	Green	AlGaInP	572	2.0	2.4	50	80	130
	B3C-443-B525	Green	InGaN	525	3.2	3.8	230	350	130
	B3C-443-E525	Green	InGaN	525	3.2	3.8	700	1050	130
	B3C-444-50	Yellow	AlGaInP	592	2.0	2.4	130	200	130
	B3C-444-TY	Yellow	AlGaInP	592	2.3	2.7	200	300	130
	B3C-445-30SOL	Red	AlGaInP	625	2.0	2.4	85	130	130
	B3C-445-50SOL	Red	AlGaInP	625	2.0	2.4	110	170	130
	B3C-445-TL	Red	AlGaInP	625	2.2	2.7	200	300	130
	B3C-440-LS	White	InGaN	-	3.2	3.8	120	180	130
	B3C-445	Orange	GaAsP / GaP	625	2.1	2.6	8	15	130
	B3C-443	Green	GaP	570	2.1	2.6	10	15	130
	B3C-444	Yellow	GaAsP / GaP	588	2.1	2.6	7	14	130

5mm

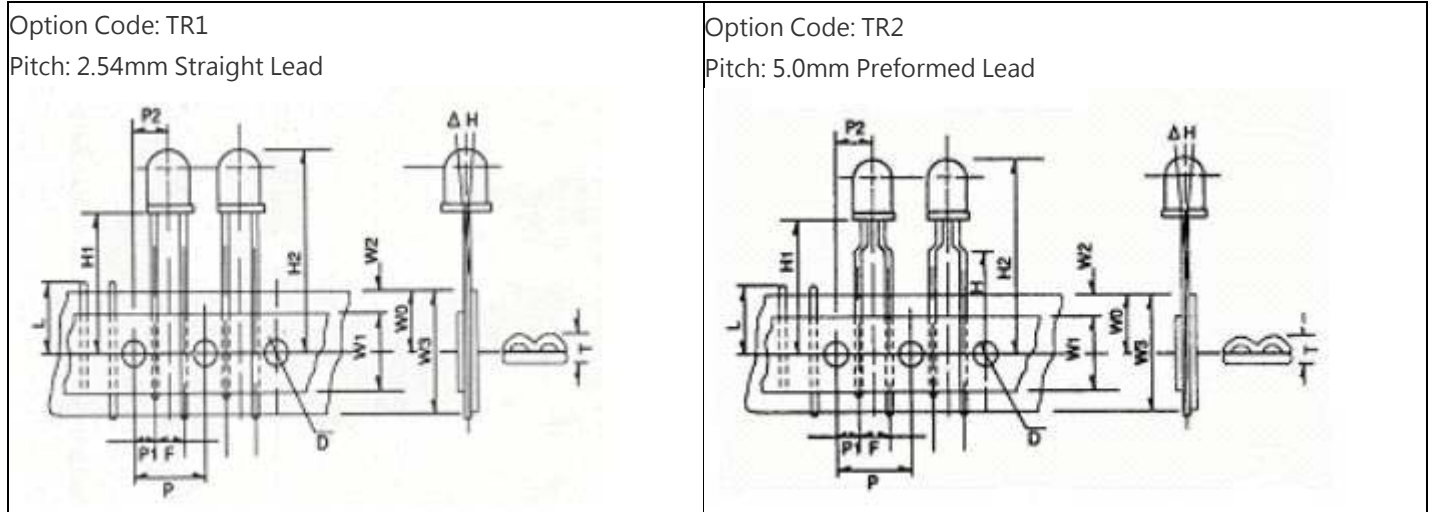
Photo	Part No.	Emitted Color.	Chip		Electro-Optical Characteristics (IF= 20mA)				Viewing Angle (deg)
			Material	λ D (nm)	Vf (V)		Iv (mcd)		
					Typ.	Max.	Min.	Typ.	
	C5-437-IX	Blue	InGaN	470	3.2	3.8	260	400	100
	C5-437-KX	Blue	InGaN	470	3.2	3.8	400	600	100
	C5-437-LX	Blue	InGaN	470	3.2	3.8	600	900	100
	C5-437-UV	UV	InGaN/ SiC	410	3.2	3.8	1.3	2	100
	C5-433-B505	Green	InGaN	525	3.2	3.8	800	1200	100
	C5-433-A515	Green	InGaN	525	3.2	3.8	950	1400	100
	C5-433-B525	Green	InGaN	525	3.2	3.8	930	1400	100
	C5-433-E525	Green	InGaN	525	3.2	3.8	1600	2500	100
	C5-434-20	Yellow	AlGaInP	592	2.0	2.4	350	500	100
	C5-434-50	Yellow	AlGaInP	592	2.0	2.4	510	770	100
	C5-434-85	Yellow	AlGaInP	592	2.0	2.4	930	1400	100
	C5-434-TY	Yellow	AlGaInP	592	2.3	2.7	930	1400	100

	C5-435-30S	Amber	AlGaInP	605	2.0	2.4	330	500	100
	C5-435-50S	Amber	AlGaInP	605	2.0	2.4	510	770	100
	C5-435-80S	Amber	AlGaInP	605	2.0	2.4	900	1350	100
	C5-435-30SOL	Red	AlGaInP	625	2.0	2.4	330	500	100
	C5-435-50SOL	Red	AlGaInP	625	2.0	2.4	510	770	100
	C5-435-85SOL	Red	AlGaInP	625	2.0	2.4	930	1400	100
	C5-435-TL	Red	AlGaInP	625	2.2	2.7	1000	1500	100
	C5-440-LS	White	InGaN	-	3.2	3.8	300	450	100
	C5-44SUN-LS	Warm White	InGaN	-	3.2	3.8	230	350	100
	B5C-437-IX	Blue	InGaN	470	3.2	3.8	66	100	130
	B5C-437-KX	Blue	InGaN	470	3.2	3.8	80	120	130
	B5C-433-B525	Green	InGaN	525	3.2	3.8	230	350	130
	B5C-433-E525	Green	InGaN	525	3.2	3.8	700	1050	130
	B5C-434-50	Yellow	AlGaInP	592	2.0	2.4	130	200	130

	B5C-434-TY	Yellow	AlGaInP	592	2.3	2.7	200	300	130
	B5C-435-30SOL	Red	AlGaInP	625	2.0	2.4	85	130	130
	B5C-435-50SOL	Red	AlGaInP	625	2.0	2.4	110	170	130
	B5C-435-TL	Red	AlGaInP	625	2.2	2.7	200	300	130
	B5C-440-LS	White	InGaN	-	3.2	3.8	160	250	130
	B5C-433	Green	GaP	570	2.1	2.6	6	12	130
	B5C-434	Yellow	GaAsP / GaP	588	2.1	2.6	5	10	130
	B5C-435	Orange	GaAsP / GaP	625	2.1	2.6	15	25	130



Taping Dimension



Symbol Information for Taping Dimensions

Dimension	Symbol	TR1		TR2	
		Min. (mm/inch)	Max. (mm/inch)	Min. (mm/inch)	Max. (mm/inch)
Tape Feed Hole Diameter	D	3.8(0.149)	4.2(0.165)	3.8(0.149)	4.2(0.165)
Component Lead Pitch	F	2.3(0.09)	3.0(0.118)	4.0(0.157)	6.0(0.236)
Front-To-Rear Deflection	H	-	2.0(0.078)	-	2.0(0.078)
Height of Seating Plane	H	-	-	15.5(0.61)	16.5(0.649)
Feed Hole to Button of Component	H1	17.5(0.689)	19.5(0.768)	17.5(0.689)	19.5(0.768)
Feed Hole to Overall Component Height	H2	-	32.0(1.259)	-	32.0(1.259)
Lead Length after Component Height	L	W0	11.0(0.433)	W0	11.0(0.433)
Feed Hole Pitch	P	12.4(0.488)	13.0(0.511)	12.4(0.488)	13.0(0.511)
Lead Location	P1	4.4(0.173)	5.8(0.228)	4.4(0.173)	5.8(0.228)
Center of Component Location	P2	5.05(0.198)	7.65(0.301)	5.05(0.198)	7.65(0.301)
Overall Taped Package Thickness	T	-	1.42(0.055)	-	1.42(0.055)
Feed Hole Location	W0	8.5(0.334)	9.75(0.383)	8.5(0.334)	9.75(0.383)
Adhesive Tape Width	W1	14.5(0.51)	15.5(0.61)	14.5(0.51)	15.5(0.61)
Adhesive Tape Position	W2	0	4.0(0.157)	0	4.0(0.157)
Tape Width	W3	17.5(0.688)	19.0(0.748)	17.5(0.688)	19.0(0.748)

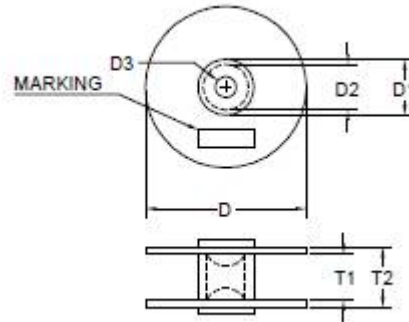
Remark:

- Q' ty per box: 5mm---2000pcs / 3mm 2500pcs
- Q' ty per Reel: 5mm----1000pcs / 3mm----2000pcs
- The dimension of H1 may be different among various models.

Package Dimension

•Reel

Description	Symbol	Specifications	
		Min. (mm/inch)	Max. (mm/inch)
Reel Diameter	D	78.2(3.07)	380.0(14.96)
Core Diameter	D1	34.9(1.37)	102.0(4.01)
Hub Recess Inside Diameter	D2	28.6(1.12)	88.0(3.47)
Arbor Hole Diameter	D3	13.8(0.54)	38.1(1.5)
Overall Reel Thickness	T2	-	54.0(2.12)
Inside Reel Flange Thickness	T1	40.0(1.57)	44.0(1.73)



•Box

Dimension	Symbol	TB1	
		Minimum mm(inch)	Maximum mm(inch)
Overall Length	L	320.0(12.60)	340.0(13.39)
Overall Width	W	240.0(9.45)	260.0(10.24)
Overall Thickness	H	40.0(1.58)	60.0(2.37)

