

ELECTRO-OPTICAL CHARACTERISTICS @ Ta = 25°C

Model No.	Fig.	Color	Tint	Peak Wavelength λpk (nm)	Chip Material	Luminous Intensity Iv (mcd)		Viewing Angle 2θ 1/2 (deg)	Forward Voltage Vf@If=20mA		Reverse Break-down Voltage@ (IR=100µA)
						Typical	@		Typical	@	
125-BR	1	RED	D	635	GaAsP/GaP	14	20mA	60	1.9/2.4	10mA	5VDC
125-BA	1	AMB	D	583	GaAsP/GaP	14	20mA	60	2.0/2.4	10mA	5VDC
125-BG	1	GRN	D	565	GaP	14	20mA	60	2.1/2.7	10mA	5VDC
125-BCR	1	RED	D	635	GaAsP/GaP	60	20mA	45	1.9/2.4	10mA	5VDC
125-BCA	1	AMB	D	583	GaAsP/GaP	30	20mA	45	2.0/2.4	10mA	5VDC
125-BCG	1	GRN	D	565	GaP	44	20mA	45	2.1/2.7	10mA	5VDC
125-RLP	1	RED	T	635	GaAsP/GaP	2.1	2mA	50	1.8/2.0	2mA	5VDC[2]
125-ALP	1	AMB	T	583	GaAsP/GaP	1.6	2mA	50	1.9/2.5	2mA	5VDC[2]
125-GLP	1	GRN	T	565	GaP	2.1	2mA	50	1.8/2.2	2mA	5VDC[2]
125-DRG	2	RED/GRN	D	635/567	GaAsP/GaP	4.3/3.7	10mA	118	2.1/2.1	20mA	5VDC
125-RG	3	RED/GRN	D	630/565	GaAsP/GaP/GaP	5.0/5.0	20mA	72	2.0 or 2.1/2.6	20mA	5VDC
125-BR5V	1	RED	D	635	GaAsP/GaP	8.0	5VDC	60	5.0/7.5	10mA	5VDC
125-BA5V	1	AMB	D	583	GaAsP/GaP	8.0	5VDC	60	5.0/7.5	10mA	5VDC
125-BG5V	1	GRN	D	565	GaP	8.0	5VDC	60	5.0/7.5	10mA	5VDC
125-BR12V	1	RED	D	635	GaAsP/GaP	8.0	12VDC	60	12.0/15.0	13mA	5VDC
125-BA12V	1	AMB	D	583	GaAsP/GaP	8.0	12VDC	60	12.0/15.0	13mA	5VDC
125-BG12V	1	GRN	D	565	GaP	8.0	12VDC	60	12.0/15.0	13mA	5VDC
125-NWR	4	RED	WC	634	IGaAs	2180	20mA	45	2.3/2.8	20mA	5VDC
125-NWA	4	AMB	WC	592	AllnGaP	2180	20mA	45	2.3/2.8	20mA	5VDC
125-NWG	5	GRN	WC	520	InGaN	2000	20mA	45	3.5/4.0	20mA	5VDC[2]
125-NWB	5	BLUE	WC	465	InGaN	600	20mA	45	3.6/4.0	20mA	5VDC[2]
125-NWW	6	WHT	WC		GaN	1100	20mA	55	3.4/4.0	20mA	5VDC

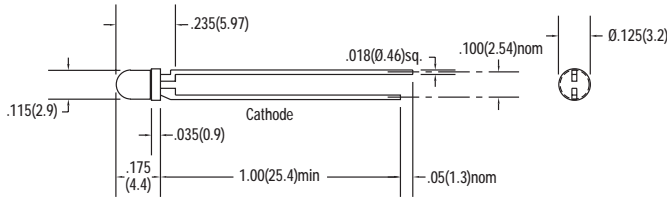


Figure 1

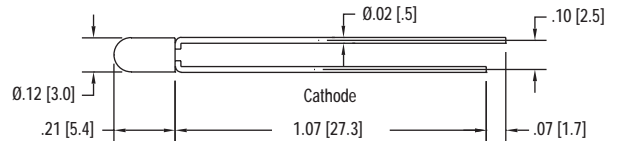


Figure 2

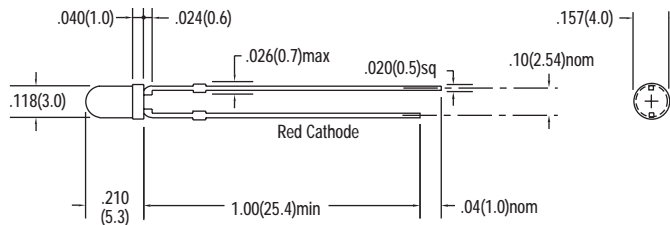


Figure 3

[1] @ TA = 50°C
 [2] @ (IR=50µA)
 [3] D=Diffused, T=Tinted, WC=Water Clear.

ABSOLUTE MAXIMUM RATINGS @ Ta = 25°C

Model No.	Power Dissipation (mW)	Derating Factor (mA/°C)	Maximum Continuous Current (mA)	Peak Forward Current@100KHz 5% Duty Cycle (mA)	Operating Temperature (°C)	Storage Temperature (°C)
125-BR	135	1.8	30	90	-55<+100	-55<+100
125-BA	85	1.6	20	60	-55<+100	-55<+100
125-BG	135	1.8	30	90	-20<+100	-55<+100
125-BCR	135	1.8	30	90	-55<+100	-55<+100
125-BCA	85	1.6	20	60	-55<+100	-55<+100
125-BCG	135	1.8	30	90	-20<+100	-55<+100
125-RLP	24	.36	7	7	-55<+100	-55<+100
125-ALP	36	.54	7	7	-55<+100	-55<+100
125-GLP	24	.36	7	7	-20<+100	-55<+100
125-DRG	100	1.6	30	100	-25<+85	-25<+100
125-RG	100	1.5	30	120	-55<+100	-55<+100
125-BR5V	-	.071V/°C ^[1]	15	-	-40<+85	-55<+100
125-BA5V	-	.071V/°C ^[1]	15	-	-40<+85	-55<+100
125-BG5V	-	.071V/°C ^[1]	15	-	-20<+85	-55<+100
125-BR12V	-	.086V/°C ^[1]	20	-	-40<+85	-55<+100
125-BA12V	-	.086V/°C ^[1]	20	-	-40<+85	-55<+100
125-BG12V	-	.086V/°C ^[1]	20	-	-20<+85	-55<+100
125-NWR	80	1.6	30	160	-40<+100	-40<+100
125-NWA	80	1.7	30	160	-40<+100	-40<+100
125-NWG	120	2.1	30	100	-30<+85	-40<+100
125-NWB	120	2.1	30	100	-30<+85	-40<+100
125-NWW	120	0.4mA/°C 1	30	100	-40<+100	-40<+100

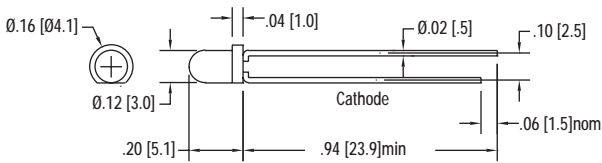


Figure 4

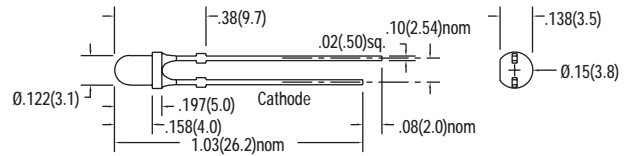


Figure 5

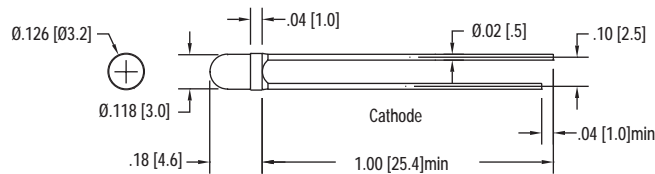


Figure 6