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20793 E. VALLEY BLVD. #C

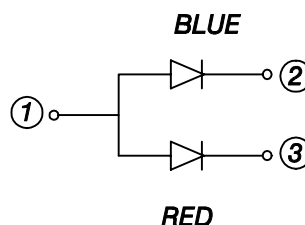
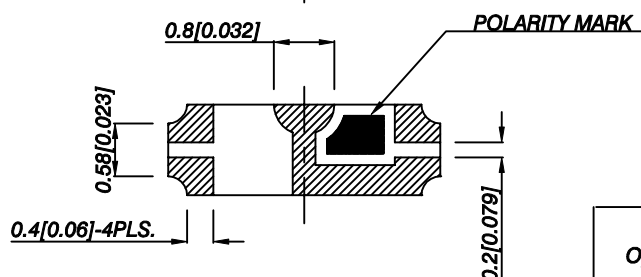
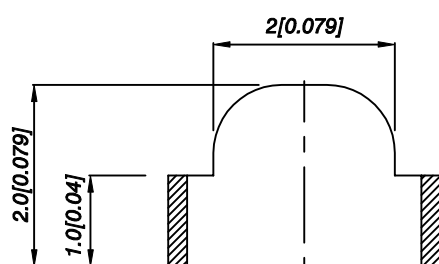
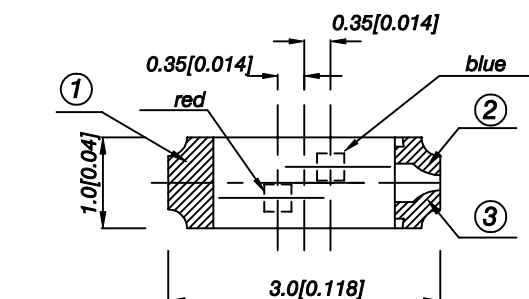
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ZBBMD56W

3.0X1.0mm(1104) RIGHT ANGLE BI-COLOR SMD CHIP LED



NOTES :

1. All dimensions are in millimeters (inches)
2. Tolerance is $\pm 0.2\text{mm}$ ($0.0079''$) unless otherwise noted.

Absolute maximum ratings ($T_A = 25^\circ\text{C}$)		BB (InGaN)	MD (InGaAlP)	Unit
Reverse voltage	V_R	5	5	V
Forward current	I_F	30	30	mA
Forward current (peak) 1/10 Duty cycle 0.1 ms Pulse Width	I_{FS}	100	150	mA
Power dissipation	P_T	102	170	mW
Operating temperature	T_A	-40 ~ +85		$^\circ\text{C}$
Storage temperature	T_{stg}			

Operating characteristics ($T_A = 25^\circ\text{C}$)	BB (InGaN)	MD (InGaAlP)	Unit
Forward voltage (typ.) V_F ($I_F = 20\text{mA}$)	3.5	2.0	V
Forward voltage (max.) V_F ($I_F = 20\text{mA}$)	4.0	2.2	V
Reverse current I_R ($V_R = 5\text{V}$)	10	10	μA
Wavelength at peak emission λ_p ($I_F = 20\text{mA}$)	468	640	nm
Spectral line half-width $\Delta\lambda$ ($I_F = 20\text{mA}$)	26	25	nm
Capacitance C_O ($V_F = 0, f = 1\text{MHz}$)	110	35	pF

Part Number	Emitting Color	Emitting Material	Lens-color	Luminous Intensity ($I_F = 20\text{mA}$) mcd		Wavelength (nm)	Viewing Angle
ZBBMD56W	blue	InGaN	water clear	min.	typ.	468	2 $\odot$ 1/2
	red	InGaAlP		15	35		
				100	200	640	140 $^\circ$