



ELECTRO-OPTICAL CHARACTERISTICS $T_a=25^\circ\text{C}$		$V_f=5\text{V}$	
PARAMETER	MIN	TYP	MAX
PEAK WAVELENGTH		635	nm
FORWARD VOLTAGE		5.0	V_f
REVERSE VOLTAGE	5.0		V_r
AXIAL INTENSITY	5		$I_r=100\mu\text{A}$
VIEWING ANGLE	110		$V_f=5\text{V}$
EMITTED COLOR:	RED		$2x \theta_{\text{theta}}$
LENS FINISH:	RED DIFFUSED		

LIMITS OF SAFE OPERATION AT 25°C		
PARAMETER	MAX	UNITS
PEAK FORWARD VOLTAGE	7	V
STEADY CURRENT	12	mA
POWER DISSIPATION	305	mW
DERATE FROM 25°C	-1.2	$\text{mW}/^\circ\text{C}$
OPERATING TEMP.	-40 TO +85	°C
STORAGE TEMP.	-40 TO +85	°C
SOLDERING TEMP.	+260	°C
2.0mm FROM BODY	3	SEC.

*UNLESS OTHERWISE SPECIFIED TOLERANCES PER DECIMAL PRECISION ARE: $X=\pm 1$ (± 0.039), $X.X=\pm 0.5$ (± 0.020), $X.XX=\pm 0.25$ (± 0.010), $X.XXX=\pm 0.127$ (± 0.005). LEAD SIZE= ± 0.05 (± 0.002), LEAD LENGTH= ± 0.75 (± 0.030). MIN= $^{+0.00}$ MAX= $^{+0.00}$

UNCONTROLLED DOCUMENT

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