

NOTE

1. LED LEADS SILVER.

ELECTRO-OPTICAL CHARACTERISTICS  $T_A = 25^\circ\text{C}$   $I_f = 20\text{mA}$ 

PARAMETER	MIN	TYP	MAX	UNITS	TEST COND
PEAK WAVELENGTH		660 (RED)		nm	
FORWARD VOLTAGE		1.7	2.2	V <sub>f</sub>	
REVERSE VOLTAGE	4.0			V <sub>r</sub>	I <sub>r</sub> = 100 $\mu\text{A}$
AXIAL INTENSITY		250		mcd	I <sub>f</sub> = 20mA
VIEWING ANGLE	60			2x theta	
EMITTED COLOR	RED				
EPOXY LENS FINISH	RED DIFFUSED				

LIMITS OF SAFE OPERATION AT  $25^\circ\text{C}$ 

PARAMETER	MAX	UNITS
PEAK FORWARD CURRENT*	150	mA
STEADY CURRENT	30	mA
POWER DISSIPATION	100	mW
DERATE FROM $25^\circ\text{C}$	-1.6	mW/ $^\circ\text{C}$
OPERATING, STORAGE TEMP	-40 TO +85	$^\circ\text{C}$
LEAD SOLDERING TEMP	+260	$^\circ\text{C}$
2.0mm FROM BODY	3 SEC. MAX	

\*  $t < 10\mu\text{s}$ RELIABILITY NOTE

OUR MANY YEARS OF EXPERIENCE DATA ACCUMULATION INDICATE THAT SOLDER HEAT IS A MAJOR CAUSE OF EARLY AND FUTURE FAILURE. PLEASE PAY ATTENTION TO YOUR SOLDERING PROCESS.



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DATE: 11-21-96	DWN:	CHK'D:	APP'D:
SCALE: N/A			

T-3 (T-1) LED, SUPER RED DIFFUSED