

5.45 [0.215] REF.	
COMMON ANODE (2) O D O	RED (1) BLUE (3) GREEN (4)

ELECTRO-OPTICAL CH	HARACTERISTICS TA	=25°C	$I_f = 20 \text{mA}$	
PARAMETER	RED	BLUE	GREEN	UNITS

PARAMETER	RED	BLUE	GREEN	UNITS	TEST COND
PEAK WAVELENGTH	636	470	525	nm	
FORWARD VOLTAGE TYP	1.95	3.3	3.3	V f	
FORWARD VOLTAGE MA	X 2.5	4.0	4.0	V f	
REVERSE VOLTAGE	5.0	5.0	5.0	V _r	$I_r = 100 \mu A$
AXIAL INTENSITY	(R/B/G) 25/600/	2000		mcd	$I_f = 20 \text{mA}$
VIEWING ANGLE	50	50	50	2x theta	
EMITTED COLOR	RED/BLUE/GREEN				
EPOXY LENS FINISH:	WATER CLEAR				

LIMITS OF SAFE OPERATION AT 25°C

PARAMETER		MAX	UNITS
PARAMETER		MAA	UNITS
PEAK FORWARD CURRE	NT* (R/B/G)	185/150/150	mA
STEADY CURRENT	(R/B/G)	30/30/25	mA
POWER DISSIPATION	(R/B/G)	75/120/102.5	mW
DERATE FROM 25°C		- 1.2	mW/*C
OPERATING, STORAGE T	EMP.	-40 TO +85	•C
SOLDERING TEMP.		+ 260	•C
2.0mm FROM BODY		3	SEC. MAX

* t<10µS

*UNLESS OTHERWISE SPECIFIED TOLERANCES PER DECIMAL PRECISION ARE: X=±1 (±0.039), X.X=±0.5 (±0.020), X.XX=±0.25 (±0.010), X.XXX=±0.127 (±0.005). LEAD SIZE=±0.05 (±0.002), LEAD SIZE=±0.05 (±0.030). MIN= +DECIMAL PRECISION UNCONTROLLED DOCUMENT



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T-5mm (T-1 3/4) RED/GREEN/BLUE (RGB) LED, COMMON ANODE, 0.05" LEAD SPACING, WATER CLEAR LENS

THE SPECIFICATIONS MAY CHANGE AT ANY TIME WITHOUT NOTICE DUE TO NEW MATERIALS OR PRODUCT IMPROVEMENT.

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