

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

PARAMETER	RED	YELLOW	GREEN	BLUE	UNITS	TEST COND
PEAK WAVELENGTH	635	585	565	430	nm	
FORWARD VOLTAGE (TYP.)	2.0	2.1	2.2	4.5	V_f	
FORWARD VOLTAGE (MAX.)	2.5	2.5	2.6	5.5	V_f	
REVERSE VOLTAGE	5.0	5.0	5.0	5.0	V_r	$I_f=100\mu\text{A}$
AXIAL INTENSITY	30	30	30	30	mcd	$I_f=20\text{mA}$
VIEWING ANGLE	60	60	60	60	2x theta	
LED POSITION:	1	2	3	4		
EPOXY LENS FINISH:	DIFFUSED SAME AS EMITTED COLOR					

LIMITS OF SAFE OPERATION AT 25°C

PARAMETER	COLORS	MAX	UNITS
PEAK FORWARD CURRENT*		150	mA
STEADY CURRENT	(I/Y/G/B)	30/30/25/30	mA
POWER DISSIPATION		105	mW
DERATE FROM 25°C		-1.6	mW/ $^\circ\text{C}$
OPERATING, STORAGE TEMP.		-40 TO +85	$^\circ\text{C}$
SOLDERING TEMP.		+260	$^\circ\text{C}$
2.0mm FROM BODY		3 SEC. MAX	

* $t < 10\mu\text{s}$
 CAUTION: STATIC SENSITIVE DEVICE
 FOLLOW PROPER E.S.D. HANDLING PROCEDURES
 WHEN WORKING WITH THIS PART.

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