



ELECTRO-OPTICAL CHARACTERISTICS  $T_A=25^{\circ}\text{C}$   $V_f=14\text{V}$

PARAMETER	MIN	TYP	MAX	UNITS	TEST COND
PEAK WAVELENGTH		636		nm	
FORWARD VOLTAGE		12	14	$V_f$	
REVERSE VOLTAGE	5.0			$V_r$	$I_f=100\mu\text{A}$
AXIAL INTENSITY		210		mcd	$V_f=14\text{V}$
VIEWING ANGLE		50		$2x$ theta	
EMITTED COLOR:	RED				
EPOXY LENS FINISH:	RED TRANSPARENT				

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

PARAMETER	MAX	UNITS
PEAK FORWARD VOLTAGE*	16	V
STEADY CURRENT	10.5	mA
POWER DISSIPATION	260	mW
DERATE FROM $25^{\circ}\text{C}$	-1.2	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

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

NOTES:

- CUSTOMER PART NUMBER #28-6450-3.
- DIODE PART NUMBER #RR264M-400 (ROHM).
- DESCRIPTION: T 1-3/4 (5mm) LED WITH INTERNAL RESISTOR FOR 14V & DIODE ON FR4 WITH EXTERNAL DIODE FOR REVERSE VOLTAGE PROTECTION.
- CHARACTERISTICS:  
 REVERSE VOLTAGE DC = 400 V.  
 DOUBLE BATTERY JUMP = 24.5V FOR 3 MIN. @  $25^{\circ}\text{C}$ .  
 REVERSE BATTERY JUMP = 400V.  
 INDUCTIVE TRANSIENT = +115V, -400V.

\*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 LENGTH=±0.75 (±0.030). MIN= +DECIMAL PRECISION MAX.= +0.00 -DECIMAL PRECISION UNCONTROLLED DOCUMENT

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CUSTOM LED ASSEMBLY.  
 \*\*THE SPECIFICATIONS MAY CHANGE AT ANY TIME WITHOUT NOTICE DUE TO NEW MATERIALS OR PRODUCT IMPROVEMENT.\*\*  
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DATE:	01.20.10	DRAWN BY:	JN
PAGE:	1 OF 1	CHKD BY:	
SCALE:	N/A	APRVD BY:	BC
UNIT:	mm [INCH]		