



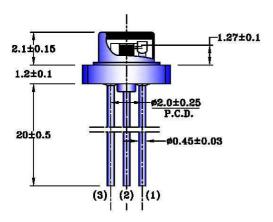
LDT 300-TO56WR 1300 nm Edge-Emitting LED / TO56 Package

OSI Laser Diode, Inc.'s 1300nm edge-emitting LEDs (Light Emitting Diodes) feature stable power and spectral characteristics over temperature. These LEDs are typically used in data or analog transmission systems where the launch power requirements are too great for an SLED component and where a laser is not suitable. The ELED device is packaged in a 3 pin TO56 with window cap. This part is RoHS compliant.

Characteristics (Tcase = 25° C.):

Parameter	Symbol	Conditions	Min.	Тур.	Max	Units
Optical power	Po	$I_f = 100 \text{mA}; D/C = 100\%$	250			uW
Center wavelength	λ	$I_f = 100 \text{mA}; D/C = 100\%$	1265	1300	1330	nm
Spectral width (FWHM)	$\Delta\lambda$	$I_f = 100 \text{mA}; D/C = 100\%$		80		nm
Emitting area width	J_{w}	n/a		6		um
Emitting area height	J_h	n/a		2		um
Transverse FF Angle (50%)	$ heta_{ ext{T}}$	$I_f = 100 \text{mA}; D/C = 100\%$		85		deg
Lateral FF Angle (50%)	Θ_{L}	$I_f = 100 \text{mA}; D/C = 100\%$		65		deg
Forward Voltage	V_{op}	$I_f = 100 \text{mA}; D/C = 100\%$		2		V
Optical Rise / Fall Time	Tr/l	$I_f = 100 \text{mA}; D/C = 100\%$		4		nS
Operating temp. range	T_{op}	$I_f = 100 \text{mA}; D/C = 100\%$	-40		85	°C
Storage temp. range	T_{stg}	Non operating	-55		85	°C

TO56 Package







Warranty:

Please refer to your product purchase agreement for complete details or check with your OSI Laser Diode, Inc. sales representative.



PIN ASSIGNMENT

PIN No.	FUNCTION			
1	ELED CATHODE (-)			
2	ELED ANODE (+)/GND			
3	NO CONNECTION			

Notice:

OSI Laser Diode, Inc. reserves the right to make changes to the products or information contained herein without notice. No liability is assumed as a result of their use or application.