



25A LUCAS TYPE PRESS-FIT DIODE

Anode +

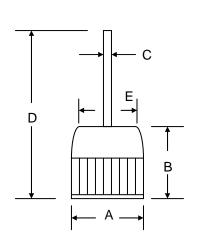


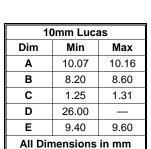
Features

- Diffused Junction
- Low Leakage
- Low Cost
- High Surge Current Capability
- Typical IR less than 5.0μA

Mechanical Data

- Case: 10mm Lucas Type Press-Fit
- Terminals: Contact Areas Readily Solderable
- Polarity: Cathode to Case (Reverse Units Are Available Upon Request and Are Designated By A "R" Suffix, i.e. LD2502R or LD2504R)
- Polarity: Red Color Equals Standard, Black Color Equals Reverse Polarity
- Mounting Position: Any
- Lead Free: For RoHS / Lead Free Version,
 Add "-LF" Suffix to Part Number, See Page 2





Maximum Ratings and Electrical Characteristics @T_A=25°C unless otherwise specified

Single Phase, half wave, 60Hz, resistive or inductive load. For capacitive load, derate current by 20%.

Characteristic	Symbol	LD2500	LD2501	LD2502	LD2503	LD2504	LD2505	LD2506	Unit
Peak Repetitive Reverse Voltage Working Peak Reverse Voltage DC Blocking Voltage	VRRM VRWM VR	50	100	200	300	400	500	600	٧
RMS Reverse Voltage	VR(RMS)	35	70	140	210	280	350	420	٧
Average Rectified Output Current @T _C = 150°C	lo	25				Α			
Non-Repetitive Peak Forward Surge Current 8.3ms Single Half Sine-Wave Superimposed on Rated Load (JEDEC Method)	IFSM	300			Α				
Forward Voltage @I _F = 25A	VFM	1.0			V				
Peak Reverse Current $@T_A = 25^{\circ}C$ At Rated DC Blocking Voltage $@T_A = 100^{\circ}C$	lгм	5.0 500			μΑ				
Typical Junction Capacitance (Note 1)	Cl	300			pF				
Typical Thermal Resistance (Note 2)	R JC				1.2				°C/W
Operating and Storage Temperature Range	TJ, TSTG	-65 to +175			°C				

Note: 1. Measured at 1.0 MHz and applied reverse voltage of 4.0V D.C.

2. Thermal Resistance: Junction to case, single side cooled.



ORDERING INFORMATION

Product No.	Package Type	Shipping Quantity				
LD2500	10mm Lucas Press-Fit	320 Units/Box				
LD2501	10mm Lucas Press-Fit	320 Units/Box				
LD2502	10mm Lucas Press-Fit	320 Units/Box				
LD2503	10mm Lucas Press-Fit	320 Units/Box				
LD2504	10mm Lucas Press-Fit	320 Units/Box				
LD2505	10mm Lucas Press-Fit	320 Units/Box				
LD2506	10mm Lucas Press-Fit	320 Units/Box				

- 1. Shipping quantity given is for minimum packing quantity only. For minimum
- order quantity, please consult the Sales Department.

 To order Lead Free version (with Lead Free finish), add "-LF" suffix to part 2. number above. For example, LD2500-LF.

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WARNING: DO NOT USE IN LIFE SUPPORT EQUIPMENT. WTE power semiconductor products are not authorized for use as critical components in life support devices or systems without the express written approval.

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We power your everyday.