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# 1N483B THRU 1N486B SERIES

LOW POWER MINIATURE GLASS PASSIVATED SILICON DIODES

#### FEATURES:

- High temperature metallurgically bonded
   0.2 amperes operation at T<sub>A</sub> = 25°C with no thermal runaway

  Hermetically sealed package

  Ideally suited for miniaturized equipment

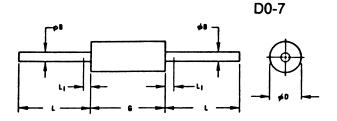
- Glass passivated cavity-free junction

### MAXIMUM RATINGS AND ELECTRICAL CHARACTERISTICS

Ratings at 25°C embient temperature unless otherwise specified. Single phase, half wave, 60 Hz, resistive or inductive load. For capacitive load, derate current by 20%.

	1N483B	1N485B	1N486B	Units
Maximum Recurrent Peak Reverse Voltage	70	180	225	VRAM
Maximum RMS Voltage	50	127	159	VRMS
Maximum DC Blocking Voltage	70	180	225	Voc
Maximum Reverse Breakdown Voltage at 100 µ A	80	200	250	VPK
Maximum Average Forward Rectified Current TA = 25°C .375", (9.5mm) Lead Length at TA = 150°C	200 50			mA(AV mA(AV
Peak Forward Surge Current 8.3ms single half sine- wave superimposed on rated load (JEDEC method)		2.0		Apk
Maximum Instantaneous Forward Voltage at 100mA	1.0			Vpk
Maximum DC Reverse Current TA = 25°C at Rated DC Blocking Voltage TA = 150°C	25 5.0			NA µ A
Typical Junction Capacitance (Note 1)	15			pF
Operating and Storage Temperature Range TJ. Tstg	-65 to +200			°C

Nessured at 1.0MHz and applied reverse voltage of 4.0VDC.
 Available to JAN and JANTX Military Specifications MIL-8-19500/118C
 JEDEC Registered Value.



## NOTES:

- PACKAGE CONTOUR OPTIONAL WITHIN CYLINDER OF DIAMETER 8D AND LENGTH G. SLUGS, IF ANY, SHALL BE INCLUDED WITHIN THIS CYLINDER BUT SHALL NOT BE SUBJECT TO THE MINIMUM LIMIT OF 8D
- 2. LEAD DIAMETER NOT CONTROLLED IN THIS ZONE TO ALLOW FOR FLASH LEAD FINISH BUILD-UP, AND MINOR IRREGULARITIES OTHER THAN SLUGS.

SYMBOL	INCHES MIN. MAX.		MILLI	NOTES	
				MAX.	
₿B	.018	.022	0.458	0.558	-
10	.085	. 107	2.16	2.71	1
6	.230	. 300	5.85	7.62	1
L	1.000	-	25.40	-	-
L	-	. 050	-	1.27	2 -



**Quality Semi-Conductors**