# **High Conductance**

1N482B thru 1N486B

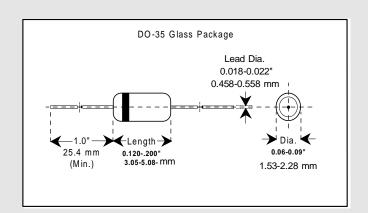
### **DO-35 Diodes**

# **Use Advantages**

Used as a general purpose diode in power supplies, or in clipping and steering applications. Operation at temperatures up to 200 degrees C, no derating. Can be used in harsh environments where hermeticity and low cost are important. Compatible with all major automatic pick and place mounting equipment. May be used on <u>ceramic</u> boards along with high temperature IR solder reflow.

## **Features**

- Humidity proof glass
- Thermally matched system
- No thermal fatigue
- No applications restrictions
- Sigma Bond™ plated contacts
- 100% guaranteed solderability
- Problem free assembly
- Six Sigma quality
- LL-35 MiniMELF types available



Absolute Maximum Ratings	Symbol	Value	Unit
Average Forward Rectified Current at T <sub>Ambient</sub> = 25 °C	I <sub>AV</sub>	0.65	Amp
Maximum Non-Repetitive Surge (8.3 mSecs. 1/2 sine)	I <sub>FSM</sub>	2.0	Amps
Junction Temperature Range	T <sub>j</sub>	-65 to +200	°C
Storage Temperature Range	T <sub>s</sub>	-55 to +200	°C
Max. Average Power Dissipation	Pdiss	250	mW

#### Characteristics at T = 25°C

	Peak Inverse Voltage (MIN.)	Maximum Average Rectified Current	Maximum Forward Voltage Drop	Maximum Curr (I <sub>R</sub> ) @	ent	Minimum Saturation Voltage	
	(PIV)	(I <sub>O</sub> )	(V <sub>F</sub> ) @ 0.1A	<b>25</b> °C	150 °C	(@0.1 mA)	
Туре	Volts	Amps	Volts	μΑ	μΑ	Volts	
1N482B	30	0.2	1.0	0.025	5	40	
1N483B	60	0.2	1.0	0.025	5	80	
1N484B	125	0.2	1.0	0.025	5	150	
1N485B	175	0.2	1.0	0.025	5	200	
1N486B	225	0.2	1.0	0.025	5	250	

LL-35 Glass miniMELF package available, substitute an LL prefix instead of "1N"...



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