

Microsemi Corp.
The diode experts



**1N483B thru
1N486B and
1N5194 thru
1N5196**

SANTA ANA, CA

For more information call:
(714) 979-8220

FEATURES

- Voidless hermetically sealed glass package (D0-35).
- Triple layer passivation.
- Metallurgically bonded.
- TX types available per MIL-S-19500/118C.
- 1N5194 thru 1N5196 only available in surface mount.

MAXIMUM RATINGS

Operating Temperature: -65°C to $+200^{\circ}\text{C}$.

Storage Temperature: -65°C to $+200^{\circ}\text{C}$.

Surge Current: 2A

ELECTRICAL CHARACTERISTICS

TYPE	WORKING PEAK REVERSE VOLTAGE V_{RWM}	BREAKDOWN VOLTAGE (MIN.) V_{BR} @ 100 μA	AVERAGE RECTIFIED CURRENT I_o		FORWARD VOLTAGE DROP (MAX.) V_F	REVERSE CURRENT (MAX.) I_R @ V_{RWM}		SURGE CURRENT (MAX.) (NOTE 1) I_{FSURGE}	JUNCTION CAPACITANCE C_{J0} @ 0V
			AMPS	AMPS	VOLTS	μA	μA		
JAN 1N483B	70	80	.2	.05	1.0V (pk)	.025	5	2	8
JAN 1N485B	180	200	.2	.05	@	.025	5	2	8
JAN 1N486B	225	250	.2	.05	100mA pulse	.025	5	2	8
JAN 1N5194	SAME AS JAN 1N483B				}	EXCEPT: PACKAGE D035			
JAN 1N5195									
JAN 1N5196									

PACKAGE: D07 for JAN 1N483B, 485B, 486B.

D035 for JAN 1N5194, JAN 1N5195, and JAN 1N5196.

NOTE 1: $I_o = 200\text{mA}$ dc, 10 - 8.3msec surges

MECHANICAL CHARACTERISTICS

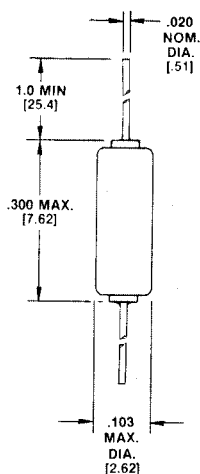
Case: Hermetically sealed glass case.

Lead Material: Tinned copper.

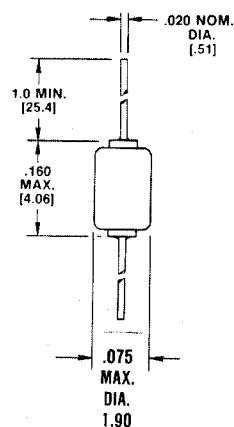
Marking: Body painted, alpha numeric.

Polarity: Cathode band.

GENERAL PURPOSE SILICON DIODES



**FIGURE 1A
PACKAGE D07**



**FIGURE 1B
PACKAGE D0-35**

1N483B - 1N486B. 1N5194 - 1N5196

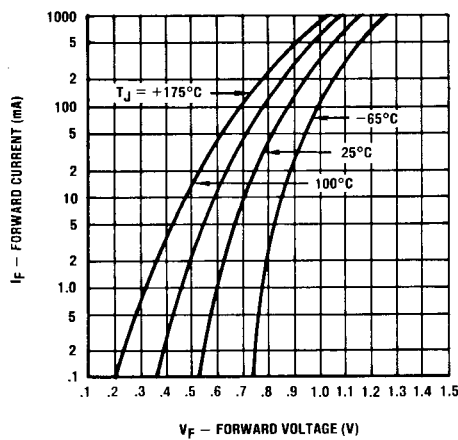


FIGURE 2
FORWARD VOLTAGE vs. FORWARD CURRENT

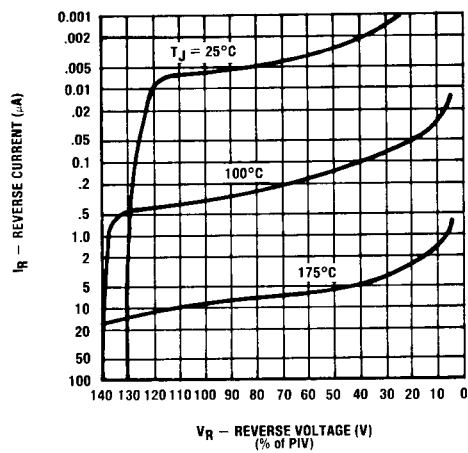


FIGURE 3
REVERSE VOLTAGE vs. REVERSE CURRENT