Microsemi Corp.
The diode experts

SANTA ANA, CA
For more information call:
(714) 979-8220

ALSO AVAILABLE IN SURFACE MOUNT

1N5415 thru 1N5420

☆JANS☆

FAST RECTIFIERS

FEATURES

- MICROMINIATURE PACKAGE
- VOIDLESS HERMETICALLY SEALED GLASS PACKAGE
- TRIPLE LAYER PASSIVATION
- METALLURGICALLY BONDED
- FAST RECOVERY
- PIV TO 600 VOLTS
- JAN/JANS/TX/TXV TYPES AVAILABLE PER MIL-S-19500/411

MAXIMUM RATINGS

Operating Temperature: -65°C to +175°C
Storage Temperature: -65°C to +200°C

ELECTRICAL CHARACTERISTICS

TYPE	V_{RWM}	MINIMUM REVERSE BREAKDOWN VOLTAGE @ 50μA	FORWARD VOLTAGE VF @ 9Adc		MAXIMUM REVERSE CURRENT @ V_{RWM}		MAXIMUM REVERSE RECOVERY TIME nsec	AVERAGE RECTIFIED CURRENT AMPS	
			MIN	MAX	25°C	100°C		55°C	100°C
J, JTX, JTXV 1N5415	50V	55V	0.6V(pk)	1.5V(pk)			15	3.0	2.0
J, JTX, JTXV 1N5416	100V	110V					01	3.0	2.0
J, JTX, JTXV 1N5417	200V	220V					50	3.0	2.0
J, JTX, JTXV 1N5418	400V	440V			1.0μA	20μA	150	3.0	2.0
J, JTX, JTXV 1N5419	500V	550V					150	3.0	2.0
J, JTX, JTXV 1N5420	600V	660V					250	3.0	2.0

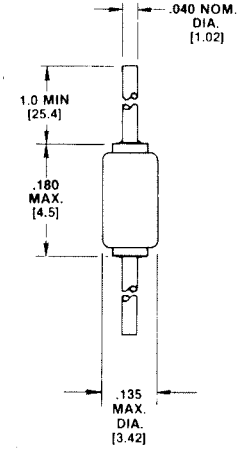


FIGURE 1
PACKAGE E

MECHANICAL CHARACTERISTICS

CASE: Hermetically sealed glass case.

LEAD MATERIAL: Silver clad copper.

MARKING: Body painted, alpha numeric.

POLARITY: Cathode band.

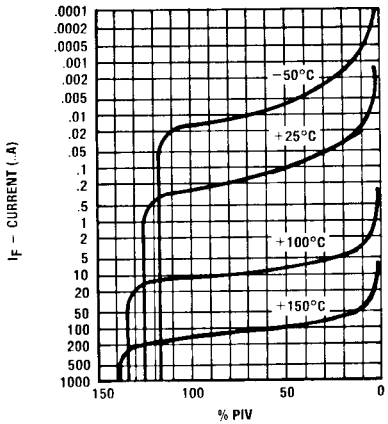


FIGURE 2
TYPICAL REVERSE CURRENT vs. PIV

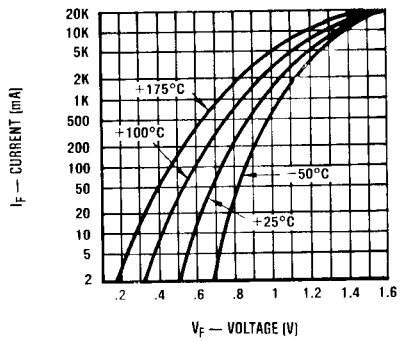


FIGURE 3
TYPICAL FORWARD CURRENT
vs. FORWARD VOLTAGE

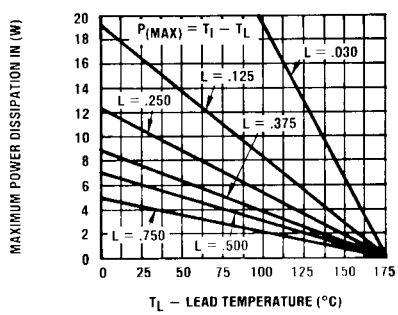


FIGURE 4
MAXIMUM POWER
vs. LEAD TEMPERATURE

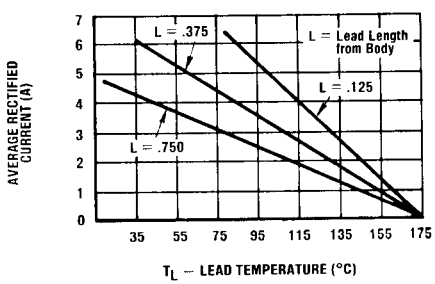


FIGURE 5
MAXIMUM CURRENT vs. LEAD TEMPERATURE