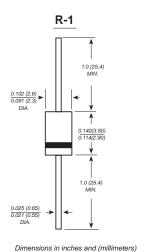


1N17 THRU 1N19

SCHOTTKY BARRIER RECTIFIER

Reverse Voltage - 20 to 40Volts Forward Current - 1.0 Ampere



FEATURES

- Plastic package has Underwriters Laboratory Flammability Classification 94V-0
- ◆ Metal silicon junction, majority carrier conduction
- Guardring for overvoltage protection
- ◆ Low power loss, high efficiency
- High current capability, low forward voltage drop
- High surge capability
- For use in low voltage, high frequency inverters, free wheeling, and polarity protection applications
- High temperature soldering guaranteed: 250°C/10 seconds,0.375"(9.5mm) lead length, 5 lbs. (2.3kg) tension

MECHANICAL DATA

Case: R-1 molded plastic body

Terminals: Plated axial leads, solderable per MIL-STD-750,

Method 2026

Polarity: Color band denotes cathode end

Mounting Position: Any

Weight: 0.007 ounce, 0.20 gramS

MAXIMUM RATINGS AND ELECTRICAL CHARACTERISTICS

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

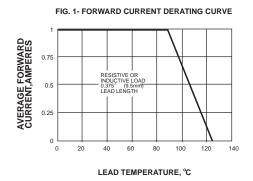
SYMBOLS	1N17	1N18	1N19	UNITS
Vrrm	20	30	40	VOLTS
VRMS	14	21	28	VOLTS
VDC	20	30	40	VOLTS
I(AV) 1.0				Amp
Ігѕм	25.0			Amps
VF	0.450	0.550	0.600	Volts
0.5 10.0		mA		
			Сл	110.0
Reja	50.0			°C/W
ТЈ,Тѕтс	-65 to +125			°C
	VRRM VRMS VDC I(AV) IFSM VF IR CJ RθJA	VRRM 20 VRMS 14 VDC 20 I(AV) IFSM VF 0.450 IR CJ R@JA	VRRM 20 30 VRMS 14 21 VDC 20 30 I(AV) 1.0 IFSM 25.0 VF 0.450 0.550 IR 10.0 CJ 110.0 RθJA 50.0	VRRM 20 30 40 40 21 28 28

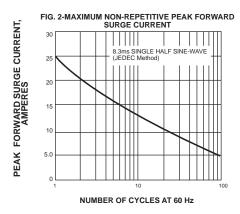
Note: 1. Measured at 1MHz and applied reverse voltage of 4.0 V D.C.

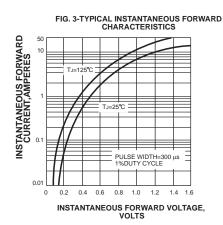
2. Thermal resistance from junction to ambient at 0.375" (9.5mm) lead length, P.C.B. mounted

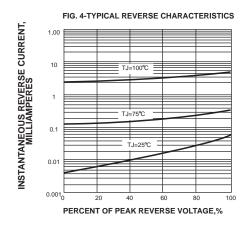


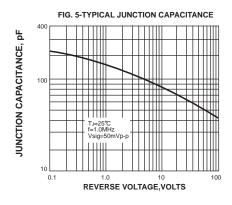
RATINGS AND CHARACTERISTIC CURVES 1N17 THRU 1N19

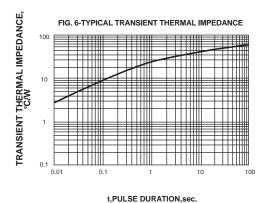












The cruve graph is for reference only, can't be the basis for judgment(曲线图仅供参考)!

