

### **1A1 THRU 1A7**

#### **GENERAL PURPOSE SILICON RECTIFIER**

Reverse Voltage - 50 to 1000 Volts Forward Current - 1.0 Ampere

#### **FEATURES**

The plastic package carries Underwriters Laboratory Flammability Classification 94V-0 Construction utilizes void-free molded plastic technique Low reverse leakage High forward surge current capability High temperature soldering guaranteed: 260°C/10 seconds,0.375"(9.5mm) lead length, 5 lbs. (2.3kg) tension

#### **MECHANICAL DATA**

Case: R-1 molded plastic body

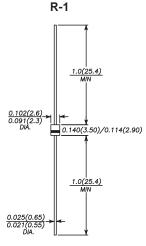
Terminals: Plated axial leads, solderable per MIL-STD-750,

Method 2026

Polarity: Color band denotes cathode end

**Mounting Position**: Any

Weight: 0.007 ounce, 0.20 grams



Dimensions in inches and (millimeters)

#### MAXIMUM RATINGS AND ELECTRICAL CHARACTERISTICS

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

	SYMBOLS	1A1	1A2	1A3	1A4	1A5	1A6	1A7	UNITS
Maximum repetitive peak reverse voltage	VRRM	50	100	200	400	600	800	1000	V
Maximum RMS voltage	VRMS	35	70	140	280	420	560	700	V
Maximum DC blocking voltage	VDC	50	100	200	400	600	800	1000	V
Maximum average forward rectified current 0.375" (9.5mm) lead length at Ta=25℃	l(AV)	1.0							А
Peak forward surge current 8.3ms single half sine-wave superimposed on rated load (JEDEC Method)	lfsm	30.0						А	
Maximum instantaneous forward voltage at 1.0A	VF	1.0							V
Maximum DC reverse current Ta=25℃ at rated DC blocking voltage Ta=100℃	lR	5.0 100.0						μΑ	
Typical junction capacitance (NOTE 1)	Сл	15.0						pF	
Typical thermal resistance (NOTE 2)	RθJA	50.0						°C/W	
Operating junction and storage temperature range	ТЈ,Тѕтс	-55 to +150						°C	

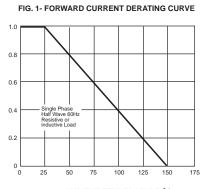
Note: 1. Measured at 1MHz and applied reverse voltage of 4.0 V D.C.

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

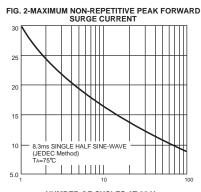


### **RATINGS AND CHARACTERISTIC CURVES 1A1 THRU 1A7**

AVERAGE FORWARD RECTIFIED CURRENT, AMPERES

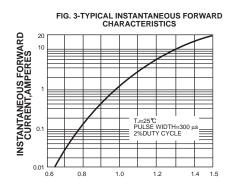






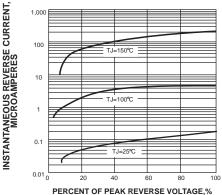
AMBIENT TEMPERATURE,°C

NUMBER OF CYCLES AT 60 Hz

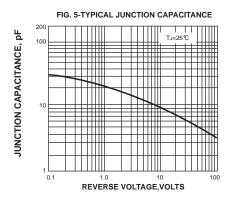


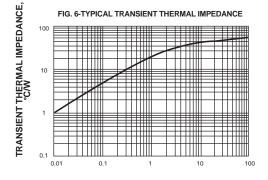






INSTANTANEOUS FORWARD VOLTAGE, VOLTS





t, PULSE DURATION, sec.

# 单击下面可查看定价,库存,交付和生命周期等信息

# >>ZG(中鑫半导体)