

1S1 THRU 1S8

SUPER FAST RECTIFIER

Reverse Voltage - 50 to 600 Volts Forward Current - 1.0 Ampere

FEATURES

The plastic package carries Underwriters Laboratory Flammability Classification 94V-0 Super fast switching for high efficiency 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: JEDEC R-1 molded plastic body

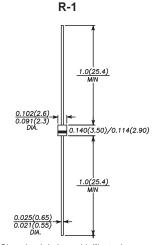
Terminals: Plated axial leads, solderable per MIL-STD-750,

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	1S1	1S2	1S3	1S4	1S5	1S6	1S8	UNITS
Vrrm	50	100	150	200	300	400	600	VOLTS
VRMS	35	70	105	140	210	280	420	VOLTS
VDC	50	100	150	200	300	400	600	VOLTS
1.0							Amno	
I(AV)	1.0							Amps
IFSM	30.0						Amps	
VF		0.95			1.25		1.7	Volts
5.0						μА		
lR	100.0							μΑ
trr	35						ns	
Cı	15.0 10.0				pF			
RθJA	60.0						°C/W	
ТЈ,Тѕтс	-65 to +150						°C	
	VRRM VRMS VDC I(AV) IFSM VF IR CJ R0JA	VRRM 50 VRMS 35 VDC 50 I(AV) IFSM VF IR Trr CJ R@JA	V _{RRM} 50 100 V _{RMS} 35 70 V _{DC} 50 100 I(aV) IFSM VF 0. IR trr CJ 15 RθJA	VRRM 50 100 150 VRMS 35 70 105 VDC 50 100 150 I(AV) IFSM Ir	VRRM 50 100 150 200 VRMS 35 70 105 140 VDC 50 100 150 200 I(AV) 1.0 IFSM 30.0 VF 0.95 IR 5.0 100.0 trr 35 CJ 15.0 R@JA 60.0	V _{RRM} 50 100 150 200 300 V _{RMS} 35 70 105 140 210 V _{DC} 50 100 150 200 300 I _(AV) 1.0 I _{SM} 30.0 V _F 0.95 1.2 I _R 100.0 t _I 35 C _J 15.0 R _{ΘJA} 60.0	VRRM 50 100 150 200 300 400 VRMS 35 70 105 140 210 280 VDC 50 100 150 200 300 400 I(AV) 1.0 IFSM 30.0 VF 0.95 1.25 IR 5.0 100.0 trr 35 35 CJ 15.0 10.0 RØJA 60.0	V _{RRM} 50 100 150 200 300 400 600 V _{RMS} 35 70 105 140 210 280 420 V _{DC} 50 100 150 200 300 400 600 I _(AV) 1.0 1.0 I _{FSM} 30.0 30.0 1.25 1.7 I _R 100.0 1.25 1.7 I _R 100.0 1.0 1.0 R _{ΘJA} 60.0 60.0

Note: 1. Reverse recovery condition IF=0.5A, IR=1.0A, Irr=0.25A

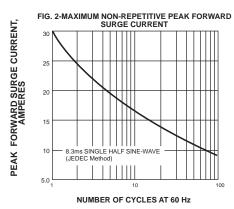
2.Measured at 1MHz and applied reverse voltage of 4.0V D.C. 3.Thermal resistance from junction to ambient at 0.375" (9.5mm)lead length,P.C.B. mounted

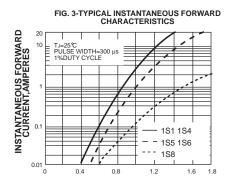


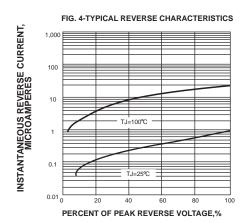
AVERAGE FORWARD RECTIFIED CURRENT, AMPERES

RATINGS AND CHARACTERISTIC CURVES 1S1 THRU 1S8

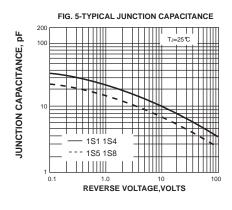
AMBIENT TEMPERATURE,°C

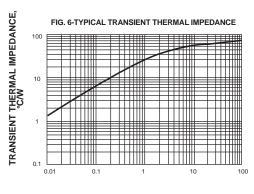












t,PULSE DURATION,sec.

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)