

FR801 THRU FR807

FAST RECOVERY RECTIFIERS

Reverse Voltage - 50 to 1000 Volts Forward Current - 8.0 Amperes

FEATURES

The plastic package carries Underwriters Laboratory Flammability Classification 94V-0 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 Glass passivated chip junction

MECHANICAL DATA

Case: R-6 molded plastic body

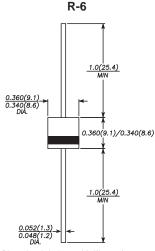
Terminals: Plated axial leads, solderable per MIL-STD-750,

Method 2026

Polarity: Color band denotes cathode end

Mounting Position: Any

Weight: 0.072 ounce, 2.05 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	FR 801	FR 802	FR 803	FR 804	FR 805	FR 806	FR 807	UNITS
VRRM	50	100	200	400	600	800	1000	V
VRMS	35	70	140	280	420	560	700	V
VDC	50	100	200	400	600	800	1000	V
I/AVA 8.0							Α	
I(AV)	3.0							
IFSM 300.0							А	
VF	1.3						V	
10.0						μА		
IR	IR 200.0							μΛ
trr		15	0		250	50	00	ns
Сл	150.0						pF	
Reja	10.0						°C/W	
Тл,Тѕтс	-55 to +150						°C	
	VRRM VRMS VDC I(AV) IFSM VF IR CJ RθJA	VRRM 50 VRMS 35 VDC 50 I(AV) IFSM VF IR Trr CJ R@JA	SYMBOLS 801 802 VRRM 50 100 VRMS 35 70 VDC 50 100 I(AV) IFSM VF IR trr 15 CJ R@JA	STAIRBULS 801 802 803 VRRM 50 100 200 VRMS 35 70 140 VDC 50 100 200 I(AV) IFSM VF IR Trr 150 CJ RθJA	SYMBOLS 801 802 803 804	No. No.	Note	No

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

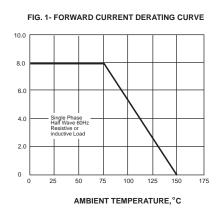
2. Measured at 1MHz and applied reverse voltage of 4.0V D.C.

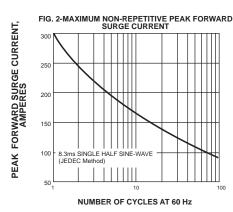
3. Thermal resistance from junction to ambient at 0.375" (9.5mm) lead length, P.C.B. mounted

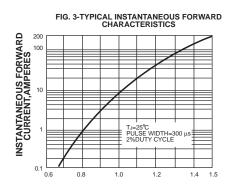


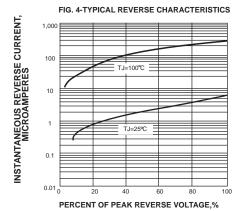
RATINGS AND CHARACTERISTIC CURVES FR81G THRU FR807G

AVERAGE FORWARD RECTIFIED CURRENT, AMPERES

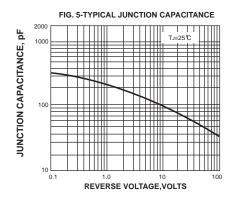


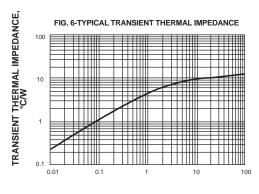






INSTANTANEOUS FORWARD VOLTAGE, VOLTS





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)