Schottky Barrier Rectifier (Low VF) Reverse Voltage 45 Volts Forward Current 30 Amperes

Features

- Low forward voltage drop, low power losses
- High efficiency operation
- Plastic package has underwriters Laboratory
 Flammability Classification 94V- 0

Mechanical Data

Case: Epoxy, molded

Weight: 1.9grams (approximately)

■ Lead Temperature for Soldering Purposes: 260°C Max. for 10 sec

● 50 units per plastic tube



Maximum Ratings & Electrical Characteristics

(Ta=25°C unless otherwise noted)

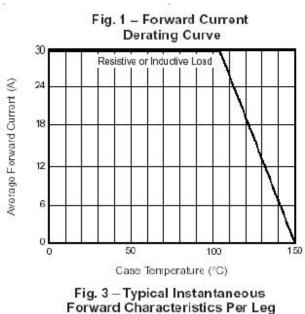
PARAMETER		TEST CONDITIONS		SYMBOL		VALUE	UNIT
Maximum repetitive peak reverse voltage				VRRM		4 5	V
Working peak reverse voltage				VRWM		4 5	V
Maximum DC blocking voltage				VDC		4 5	V
Maximum average forward rectified current at)	30	Α
T _c =105°C total device per diode						15	
Peak forward surge current 8.3ms single harf sine- wave superimposed on rated load per diode				IFSM		200	A
Peak repetitive reverse current per leg at tp=2.0us ,1KHz			IRRM			1.0	А
Voltage rat	e of change(rated V _R)	ı		Dv/dt		10000	V/us
Operating junction temperature range				TJ		- 55 to+150	°C
Storage temperature range		-		Тѕтс		- 55 to+150	°C
Isolation voltage (TO- 220F only) from terminal to heatsink t = 1sec		VA		VAC		1500	V
Maximum instantaneous forward voltage per leg		I _F =15A	Tc=25°C	.,		0.55	
		IF=15A	Tc=125°C	VF		0.46	V
Maximum reverse current per leg at working peak			T _J =25°C			200	uA
Reverse voltage			T _J =100°C	lR		15	mA
	Thermal Characteristics TA	=25 °C unl	ess otherwi	se no	ted		-
Symbol	Parameter	TYP.	TYP. ((TO-220F)	Unit	
Rejc	Thermal Resistance, Junction to Case per Leg				4.0	°C /W	
RөJA	Thermal Resistance, Junction to Ambient per Leg			62 .5		°C /W	

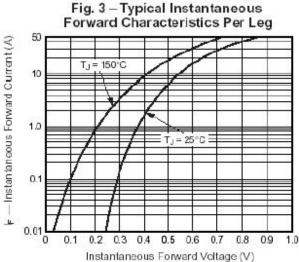
Note: Pulse test:300us pulse width, duty cycle=2%

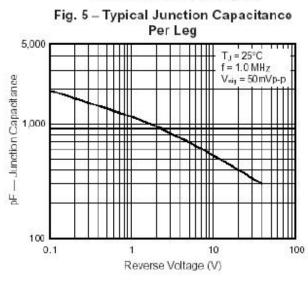
Revision No: 0

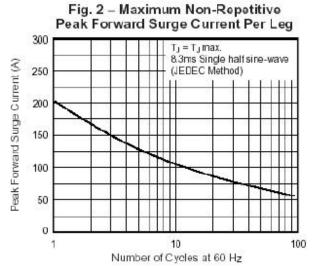


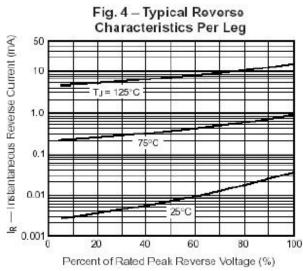
Ratings and Characteristics Curves (TA = 25°C unless otherwise noted)

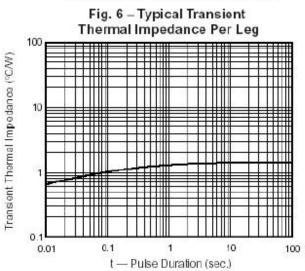














Package Outline Dimensions

Unit: millimeters

TO-220

TO-220F

