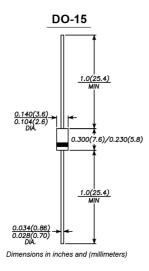


SF21 THRU SF28

SUPER FAST RECTIFIER

Reverse Voltage - 50 to 600 Volts Forward Current - 2.0 Amperes



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 guarantteed: 260°C/10 seconds,0.375"(9.5mm) lead length,

5 lbs. (2.3kg) tension

MECHANICAL DATA

Case: JEDEC DO-15 molded plastic body

Terminals: Plated axial leads, solderable per MIL-STD-750. Method 2026

Polarity: Color band denotes cathode end

Mounting Position: Anv

Weight: 0.014 ounce, 0.40 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 current derate by 20%.

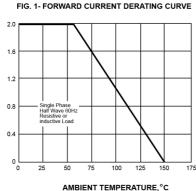
	SYMBOLS	SF21	SF22	SF23	SF24	SF25	SF26	SF27	SF28	UNITS
Maximum repetitive peak reverse voltage	VRRM	50	100	150	200	300	400	500	600	V
Maximum RMS voltage	VRMS	35	70	105	140	210	280	350	420	V
Maximum DC blocking voltage	VDC	50	100	150	200	300	400	500	600	V
Maximum average forward rectified current	Iravo	l(AV) 2.0							Α	
0.375"(9.5mm) lead length at Ta=55℃	I(AV)	(AV)							_ ^	
Peak forward surge current		50.0								
8.3ms single half sine-wave superimposed on	IFSM								Α	
rated load (JEDEC Method)										
Maximum instantaneous forward voltage at 2.0A	VF		0.95			1.25		1.7	V	
Maximum DC reverse current Ta=25℃	١	5.0							μА	
at rated DC blocking voltage Ta=100℃	l _R	50.0								
Maximum reverse recovery time (NOTE 1)	trr	35								ns
Typical junction capacitance (NOTE 2)	Ci		60.0 30.0					pF		
Typical thermal resistance (NOTE 3)	Reja		50.0							°C/W
Operating junction and storage temperature range	ТЈ,Тѕтс	-55 to +150							°C	

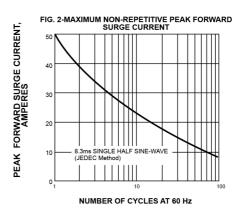
- Note: 1. Reverse recovery condition IF=0.5A, IR=1.0A, Irr=0.25A
 - 2. Measured at 1MHz and applied reverse voltage of 4.0V D.C.
 - 3. Thermal resistance from junction to ambient at 0.375" (9.5mm) lead length, P.C.B. mounted

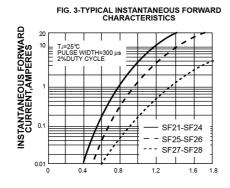


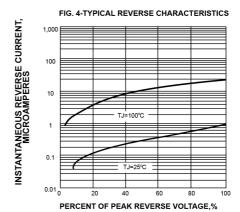
RATINGS AND CHARACTERISTIC CURVES SF21 THRU SF28

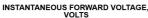


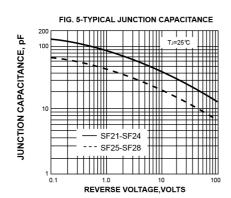


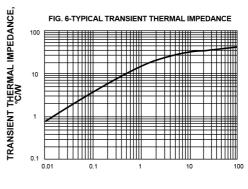












t,PULSE DURATION,sec.

CHONGQING DABIAO ELECTRONIC TECHNOLOGY CO.,LTD.