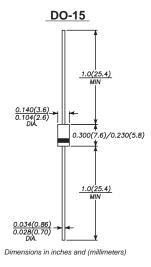
FR201G THRU FR207G

FAST RECOVERY GLASS PASSIVATED RECTIFIERS

Reverse Voltage - 50 to 1000 Volts Forward Current - 2.0 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: 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: Any

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 capacitive load current derate by 20%.

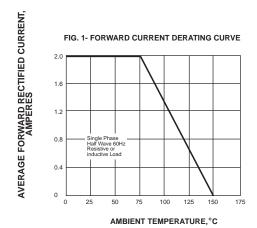
	SYMBOLS	FR 201G	FR 202G	FR 203G	FR 204G	FR 205G	FR 206G	FR 207G	UNITS
Maximum repetitive peak reverse voltage	Vrrm	50	100	200	400	600	800	1000	V
Maximum RMS voltage	VRMS	35	70	140	280	420	560	700	V
Maximum DC blocking voltage	VDC	50	100	200	400	600	800	1000	V
Maximum average forward rectified current	l(AV) 2.0							А	
0.375"(9.5mm) lead length at Ta=75℃	(AV)								
Peak forward surge current									
8.3ms single half sine-wave superimposed on	IFSM 70.0						Α		
rated load (JEDEC Method)									
Maximum instantaneous forward voltage at 2.0A	VF	1.3							V
Maximum DC reverse current T _A =25℃	5.0							μΑ	
at rated DC blocking voltage Ta=100℃	I _R 100.0								
Maximum reverse recovery time (NOTE 1)	trr		15	0		250	50	00	ns
Typical junction capacitance (NOTE 2)	Сл	40.0							pF
Typical thermal resistance (NOTE 3)	RθJA	40.0							°C/W
Operating junction and storage temperature range	ТЈ,Тѕтс	-55 to +150							°C

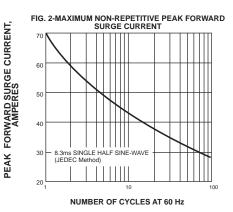
Note: 1. Reverse recovery condition IF=0.5A, IR=1.0A, Irr=0.25A

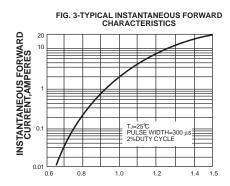
2.Measured at 1MHz and applied reverse voltage of 4.0V D.C. 3.Thermal resistance from junction to ambient at 0.375"(9.5mm)lead length,P.C.B. mounted

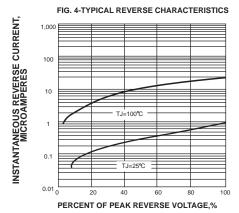


RATINGS AND CHARACTERISTIC CURVES FR201G THRU FR207G

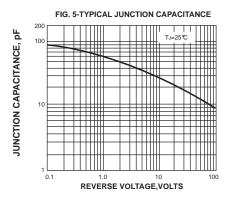


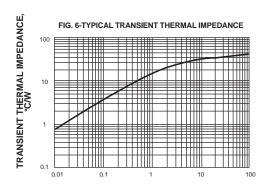












t,PULSE DURATION,sec.

