FAST RECOVERY GLASS PASSIVATED RECTIFIERS

FEATURES:

- High temperature bonded construction
- Fast switching for use in hugh frequency circuit
- No thermal runaway at 1.5 Amp. Current Ta=55℃
- High temperature soldering guaranteed : 250 ℃ /10 seconds, 0.375" lead length, 5lbs (2.3kg) tension

MECHANICAL DATA

Case: Molded plastic UL 94V-0 recognized flame

retardant epoxy

Terminals: Axial leads, solderable per MIL-STD-202,

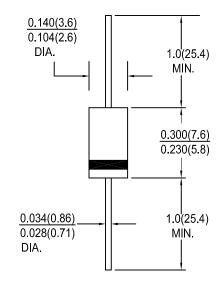
Method 208

Polarity: Color band on body denotes cathode end

Mounting Position: Any

Weight: 0.4 grams, 0.015 ounce

DO-204AC(DO-15)



Dimensions in inches and (millimeters)

MAXIMUM RATINGS AND ELECTRICAL CHARACTERISTICS

Rating at 25 °C ambient temp. unless otherwise specified.

Single phase, half sine wave, 60 Hz, resistive or inductive load.

For capacitive load, derate current by 20 %.

Characteristic	Symbol	FR 151G	FR 152G	FR 153G	FR 154G	FR 155G	FR 156G	FR 157G	Units
Maximum recurrent peak reverse voltage	VRRM	50	100	200	400	600	800	1000	Volts
Maximum RMS voltage	VRMS	35	70	140	280	420	560	700	Volts
Maximum DC blocking voltage	VDC	50	100	200	400	600	800	1000	Volts
Maximum average forward rectified current .375 lead length at Ta=55℃	lo	1.5							Amps
Peak forward surge current ,8.3ms single half sine-wav superimposed on rated load(JEDEC Method)	e IFSM	50.0							Amps
Maximum instantaneous forward voltage drop at 1.5 A	VF				1.3				Volts
Maximum DC reverse current Ta=25℃ at rated DC blocking voltage Ta=150℃	IR	5.0 200.0							μ Α
Typical reverse recovery time (note 1)	trr	150	150	150	150	250	500	500	nS
Typical thermal resistance	Rth-JA		45						
Typical junction capcaitance (note 2)	Cj	25.0							pF
Operating junction and storage temperature range	Tj,Tstg	-65 to +150						°C	

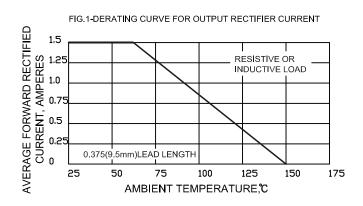
NOTES:1. Reverse recovery test condition; I F=0.5A, IR=1.0A, IRR=0.25A

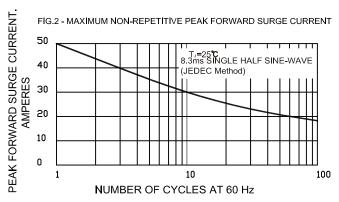
2. Measured at 1MHz and Applied reverse voltage of 4.0V.DC

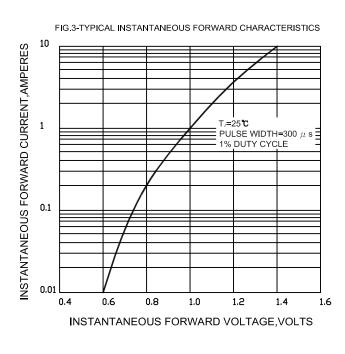


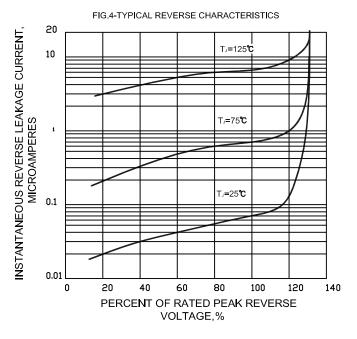
DACO SEMICONDUCTOR CO., LTD. FR151G THRU FR157G

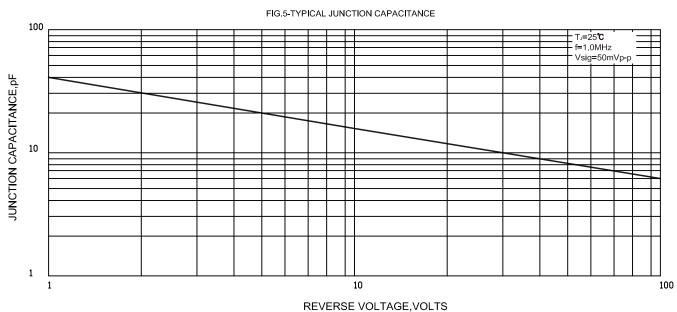
RATINGS AND CHARACTERISTIC CURVES











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