SS1Q

SINTERED GLASS JUNCTION SURFACE MOUNTED RECTIFIER

VOLTAGE: 1200V

Sintered glass junction

MECHANICAL DATA

For surface mounted application

High temperature metallurgic ally bonded

High temperature soldering guaranteed

450°C/10sec/at terminal / complete device

Terminal: Plated Terminal, solderable per

Polarity: color band denotes cathode end

MIL-STD 202, method 208C

Flame Retardant Epoxy over Glass

Case: Molded with UL-94 class V-0 recognized

Submersible temperature of 265°C for 10sec

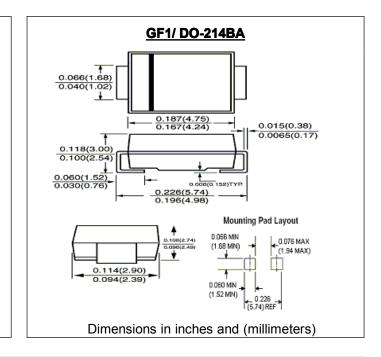
Capability of meeting environmental standard of

FEATURE

MIL-S-19500

CURRENT: 1.0A





MAXIMUM RATINGS AND ELECTRICAL CHARACTERISTICS

(single—phase, half —wave, 60HZ, resistive or inductive load rating at 25°C, unless otherwise stated, for capacitive load, derate current by 20%)

SYMBOL	SS1Q	units
Vrrm	1200	V
Vrms	840	V
Vdc	1200	V
lf(av)	1.0	A
lfsm	30.0	A
Vf	1.2	V
Ir(av)	30.0	μ Α
lr	5.0	μ Α
	50.0	μ Α
Cj	15.0	pF
R(ja)	80.0	°C/W
Tst, Tj	-65 to +175	°C
	Vrrm Vrms Vdc If(av) Ifsm Vf Ir(av) Ir Ir Cj R(ja)	Vrm 1200 Vrms 840 Vdc 1200 If(av) 1.0 Ifsm 30.0 Vf 1.2 Ir(av) 30.0 Ir(av) 30.0 Cj 15.0 R(ja) 80.0

Note:

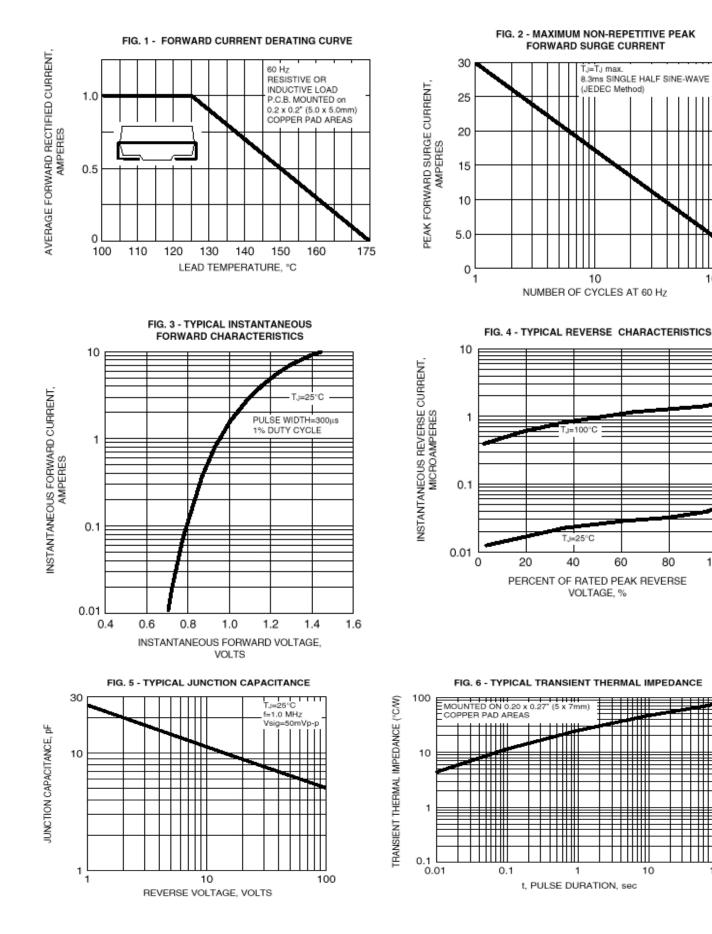
1. Measured at 1.0 MHz and applied reverse voltage of 4.0Vdc

2. Thermal Resistance from Junction to Ambient 6.0mm² copper pad to each terminal

Rev.A1

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RATINGS AND CHARACTERISTIC CURVES SS1Q



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