

Surface Mount General Rectifier in DO-214AC/SMA

Features

- Glass passivated chip
- For surface mounted applications
- Low reverse leakage
- Built-in strain relief, ideal for automated placement
- High forward surge current capability



Mechanical Data

- **Case:** DO-214AC/SMA (plastic package).
RoHS compliant
- **Molding Compound Flammability Rating:**
UL 94 V-0
- **Terminals:** High temperature soldering guaranteed:
260 °C/10 sec. at terminals

Applications

- Computers
- Telecom system
- Industrial equipments
- Consumer electronic applications

Absolute Maximum Ratings

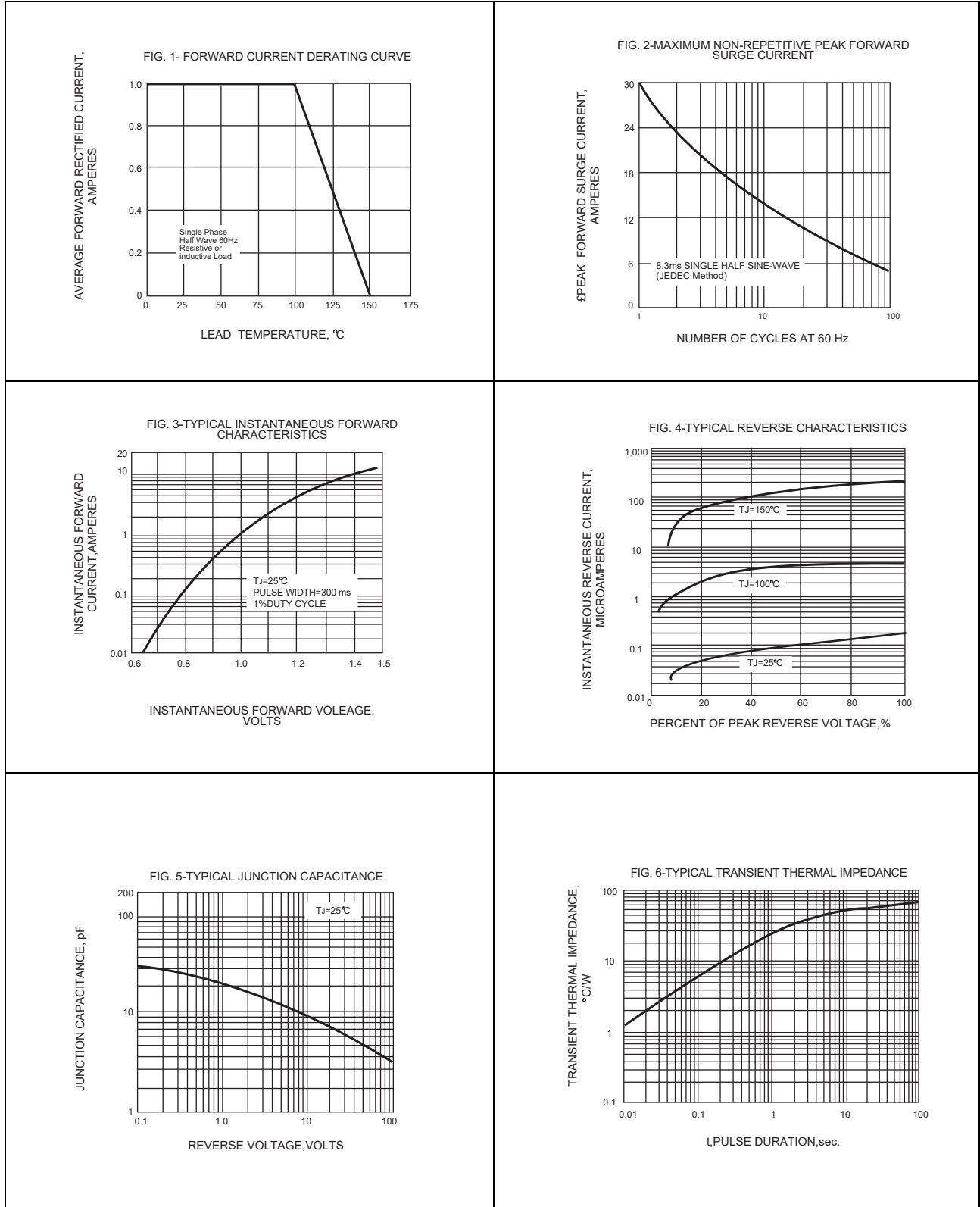
Ratings at 25 °C, ambient temperature unless otherwise specified

Parameter	Symbol	Value	Unit
Maximum repetitive peak reverse voltage	VRRM	2000	V
Maximum RMS voltage	VRMS	1400	V
Maximum DC blocking voltage	VDC	2000	V
Maximum average forward rectified current at TL=110°C	I(AV)	1	A
Peak forward surge current 8.3ms single half sine-wave superimposed on rated load (JEDEC Method)	IFSM	30.0	A
Maximum instantaneous forward voltage at 1.0A	VF	1.1	V
Maximum DC reverse current at rated DC blocking voltage	IR	5.0 50.0	uA
Typical junction capacitance	CJ	15	pF
Typical thermal resistance	RqJA	75	°c/w
Operating junction and storage temperature range	TJ, TSTG	-65 to +150	°C

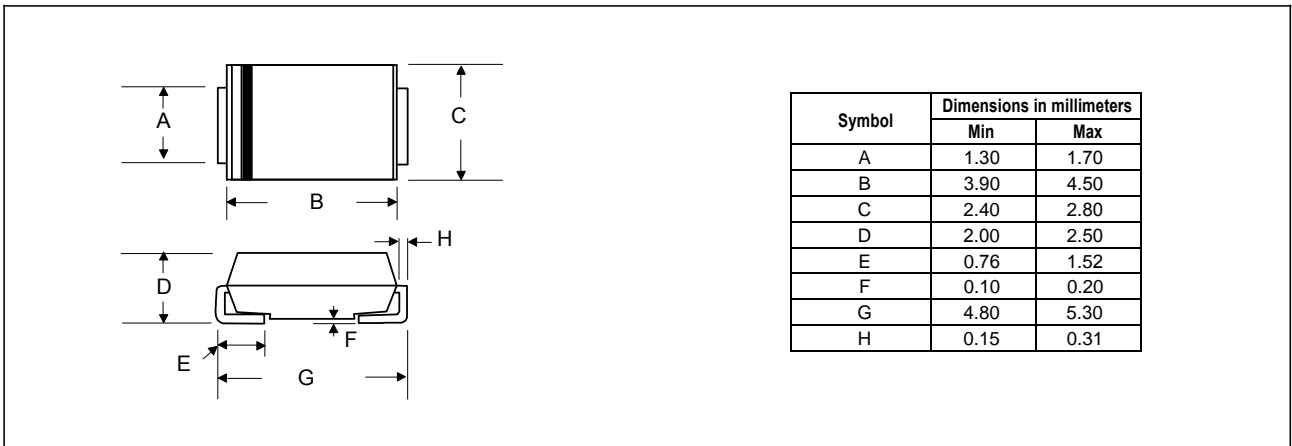
Notes:

1. Non-repetitive current pulse, per Fig.5 and detailed above TA=25°C per Fig.1
2. Measured on 8.3ms single half sine-wave, or equivalent square wave, duty cycle=4 pulses per minute maximum

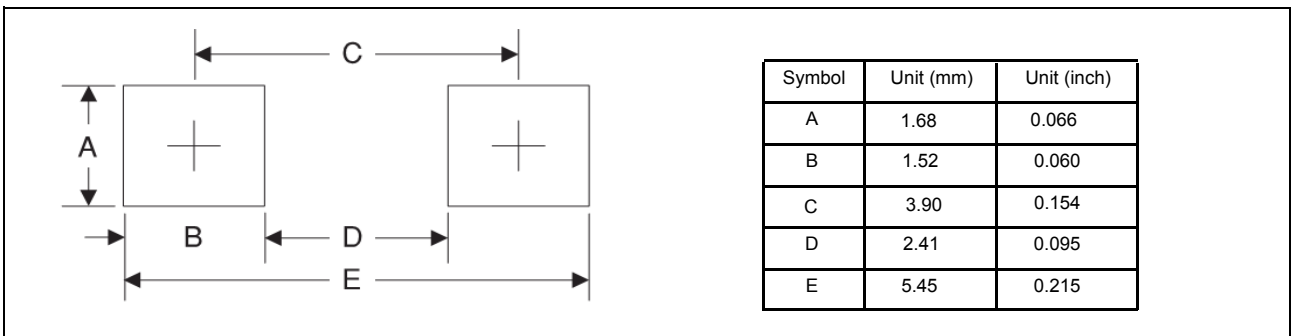
Typical Characteristics ($T_{amb} = 25\text{ }^{\circ}\text{C}$ unless otherwise specified)



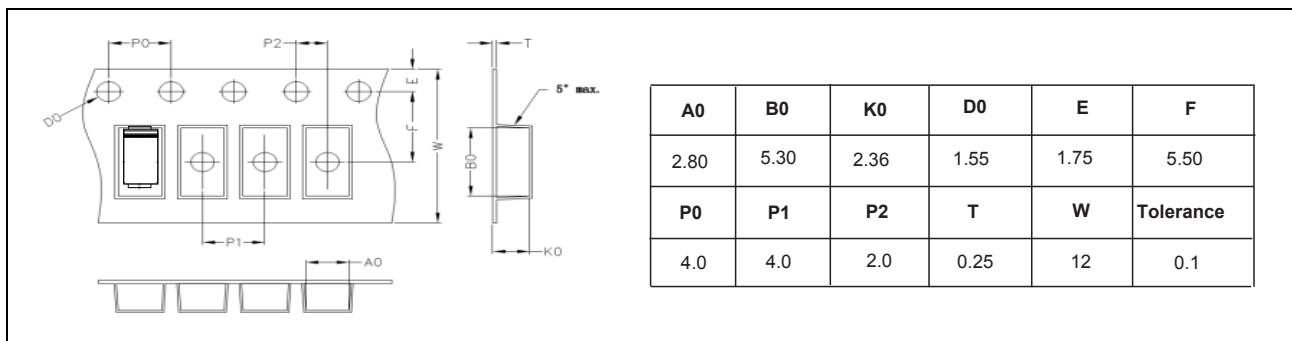
Package Dimensions



PAD Dimensions



Packing Information



Ordering information

Order code	Package	Packaging option	Base quantity	Packaging specification
M20	DO-214AC/SMA	Tape and reel	5000pcs / reel	EIA STD RS-481

Revision history

Date	Revision	Changes
23-May-2020	1.0	Initial release

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