

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	Α
Peak forward surge current 8.3ms single half sine-wave superimposed on rated load (JEDEC Method)	IFSM	30.0	Α
Maximum instantaneous forward voltage at 1.0A	VF	1.1	V
Maximum DC reverse current TA=25°C at rated DC blocking voltage TA=100°C	lR	5.0 50.0	uA
Typical junction capacitance	CJ	15	pF
Typical thermal resistance	RqJA	75	°c/w
Operating junction and storage temperature range	ТJ,Тsтg	-65 to +150	°C

Notes:

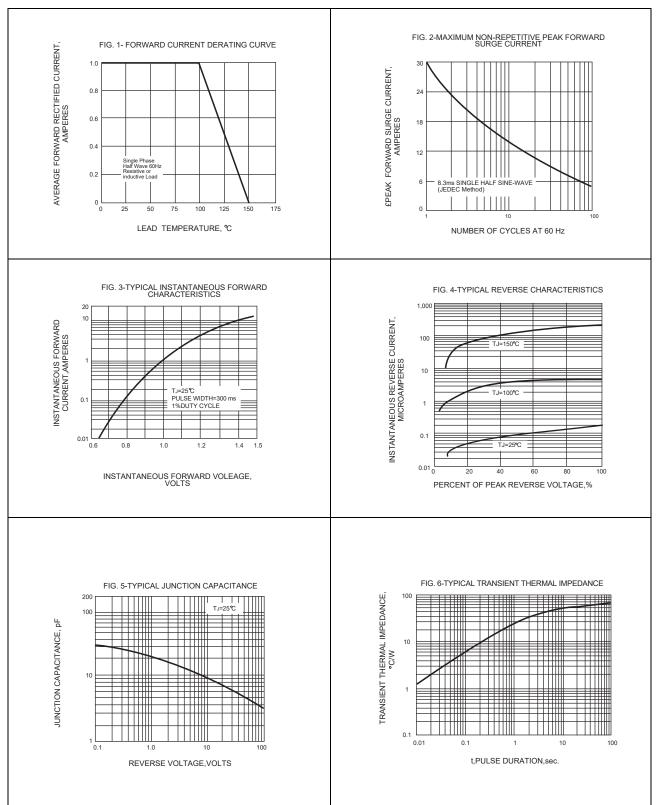
2.Measured on 8.3ms single half sine-wave, or equivalent square wave, duty cycle=4 pulses per minute maximum

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^{1.}Non-repetitive current pulse,per Fig.5 and detated above TA=25°C per Fig.1



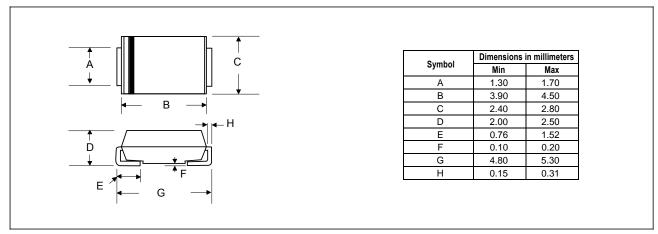
Typical Characteristics (T_{amb} = 25 °C unless otherwise specified)



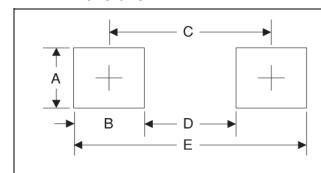
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Package Dimensions

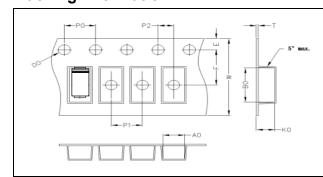


PAD Dimensions



Symbol	Unit (mm)	Unit (inch)
Α	1.68	0.066
В	1.52	0.060
С	3.90	0.154
D	2.41	0.095
E	5.45	0.215

Packing Information



Α0	В0	K0	D0	E	F
2.80	5.30	2.36	1.55	1.75	5.50
P0	P1	P2	Т	w	Tolerance
4.0	4.0	2.0	0.25	12	0.1

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-2016	1.0	Initial release
21-May-2019	2.0	Update

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