



JSPG240A

2A Schottky Barrier Rectifier

Rev.1.1

DESCRIPTION

- ✧ Plastic package has underwriters laboratories flammability classification 94V-0
- ✧ For surface mounted applications in order to optimize board space
- ✧ Lead free in compliance with EU RoHS 2011/65/EU directive
- ✧ Ultra low forward voltage drop
- ✧ Low power losses, high efficiency operation
- ✧ High current capability

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- ✧ Terminals: Solder plated, solderable per MIL-STD-750, method 2026
- ✧ Polarity: Color band denotes cathode end

ABSOLUTE MAXIMUM RATING AND ELECTRICAL CHARACTERISTICS

(Rating at 25 ambient temperature unless otherwise specified.)

Parameter	Symbol	JSPG240A	Unit
Maximum repetitive peak reverse voltage	V_{RRM}	40	V
Maximum RMS voltage	V_{RMS}	28	V
Maximum DC blocking voltage	V_{DC}	40	V
Maximum average forward current	$I_{F(AV)}$	2.0	A
Peak forward surge current: 8.3ms single half sine-wave superimposed on rated load	I_{FSM}	50	A
Maximum forward voltage @ $I_F=2A$	V_F	0.55	V
Maximum DC reverse current at rated DC blocking voltage	I_R	0.1	Maximum DC revers

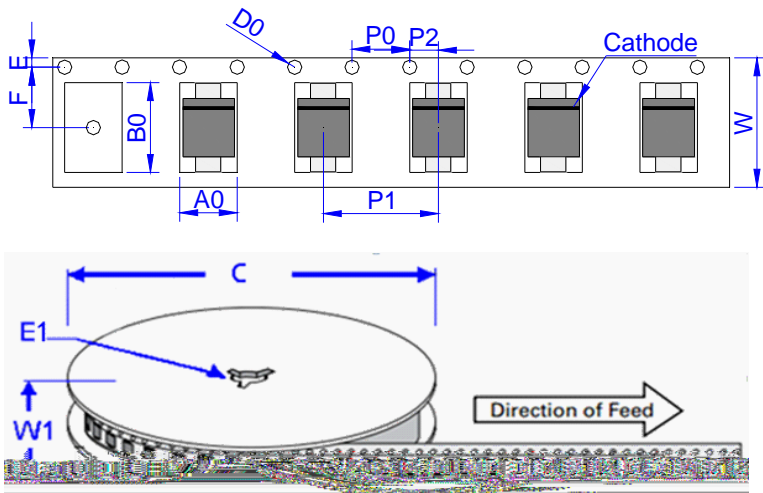


THERMAL RESISTANCES

Symbol	Parameter	JSPG240A	Unit
$R_{th(j-a)}$	Junction to ambient (note1)	70	/W

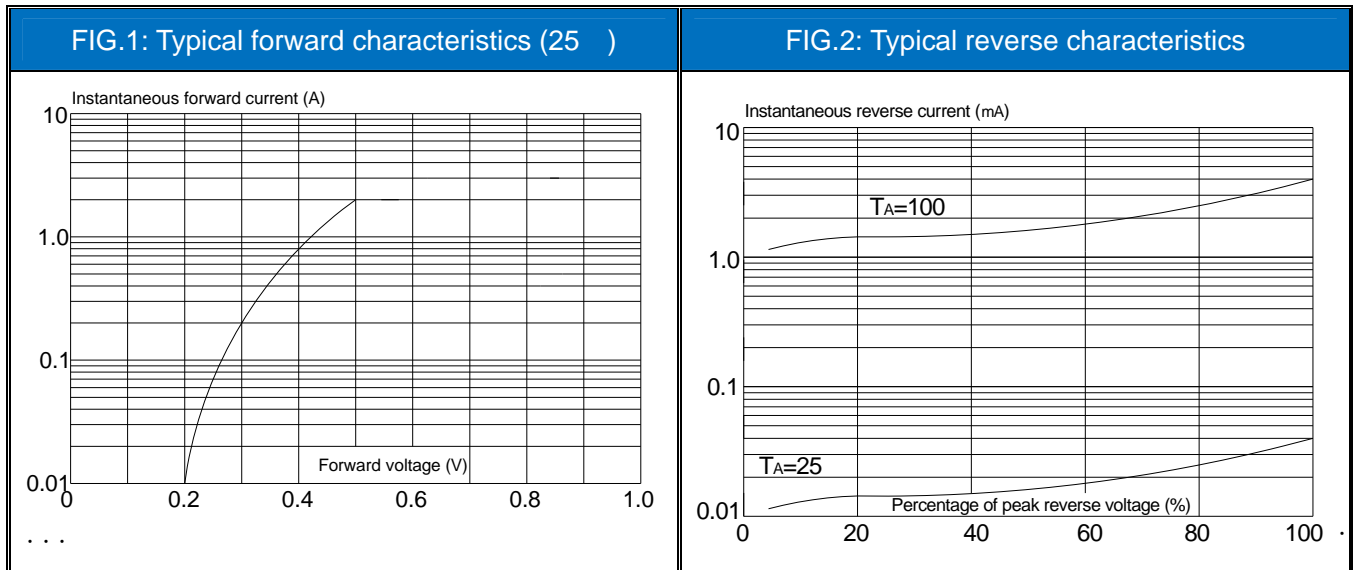


TAPE AND REEL SPECIFICATION-SMB



OUTLINE	UNIT WEIGHT (g/PCS) typ.	REEL (PCS)	PER CARTON (PCS)	REEL DIAMETERS (mm)
TAPING	0.1	3,000	48,000	330

CHARACTERISTICS CURVE





CHARACTERISTIC CURVE

FIG.3: Maximum non-repetitive peak forward surge current

FIG.4: Forward current derating curve

Average forward current (A)
3.0

0
0 50 100 150