



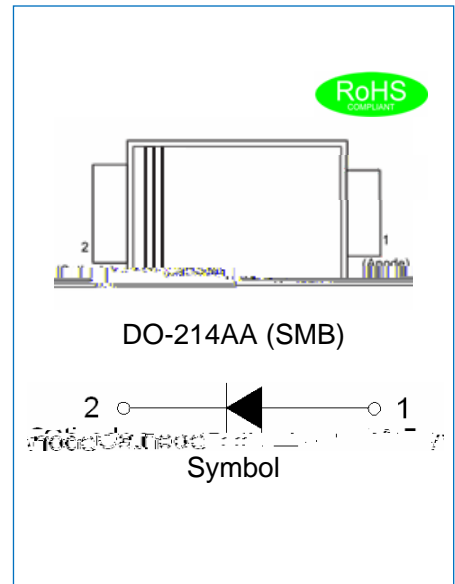
JSPG360A

3A Schottky Barrier Rectifier

Rev.1.2

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 and surge capability
- Low thermal resistance package



MECHANICAL DATA

- Case: SMB molded plastic
- Terminals: Solder plated, solderable per J-STD-002
- Polarity: Color band denotes cathode end

ABSOLUTE MAXIMUM RATING (Rating at 25 ambient temperature unless otherwise specified.)

Parameter	Symbol	JSPG360A	Unit
Maximum repetitive peak reverse voltage	V_{RRM}	60	V
Maximum RMS voltage	V_{RMS}	42	V
Maximum DC blocking voltage	V_{DC}	60	V
Maximum average forward current	$I_{F(AV)}$	3.0	A
Peak forward surge current: 8.3ms single half sine-wave superimposed on rated load	I_{FSM}	80	A
Operating junction temperature range	T_j	-55 to +150	

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Parameter	Symbol	Min	Typ	Max	Unit
Forward voltage	V_F			0.7	V
Reverse current at rated DC blocking voltage	I_R			0.1	mA
				10	
Junction capacitance	C_J		210		pF



THERMAL RESISTANCES

Symbol	Parameter	JSPG360A	Unit
$R_{th(j-a)}$	Thermal resistance from junction to ambient (note1)	60	/W

Note1 Thermal resistance from junction to ambient at 0.375"(9.5mm) lead length, P.C.B mounted

MARKING

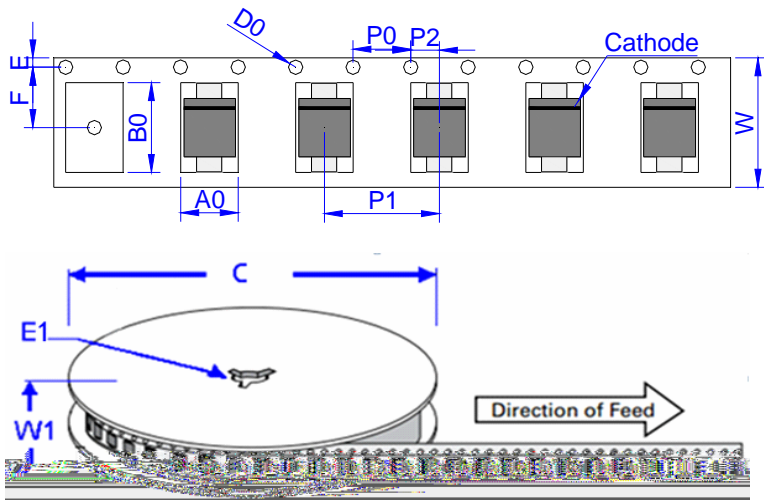


PACKAGE MECHANICAL DATA

Dimensions



TAPE AND REEL SPECIFICATION-SMB



CHARACTERISTICS CURVE

