



JSPG260A

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	JSPG260A	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	$I_{F(AV)}$	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	0.7	V
Maximum DC reverse current at rated DC blocking voltage $T_A=25$	I_R	0.1	



THERMAL RESISTANCES

Symbol	Parameter	JSPG260A	Unit
$R_{th(j-a)}$	Junction to ambient (note1)	70	/W

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

MARKING



CHARACTERISTICS CURVE

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

FIG.4: Forward current derating curve

