



# JSPG2150A

## 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	JSPG2150A	Unit
Maximum repetitive peak reverse voltage	$V_{RRM}$	150	V
Maximum RMS voltage	V		

Maximum forward voltage @ $I_F=2A$	$V_F$	0.9	V
Maximum DC reverse current $T_A=25$ at rated DC blocking voltage	$I_R$	0.1	







### CHARACTERISTICS CURVE

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

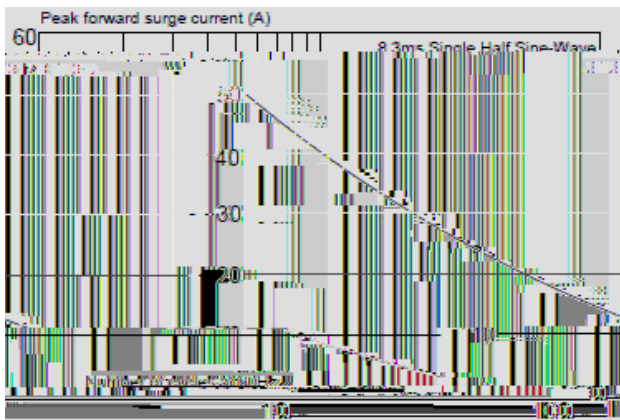


FIG.4: Forward current derating curve

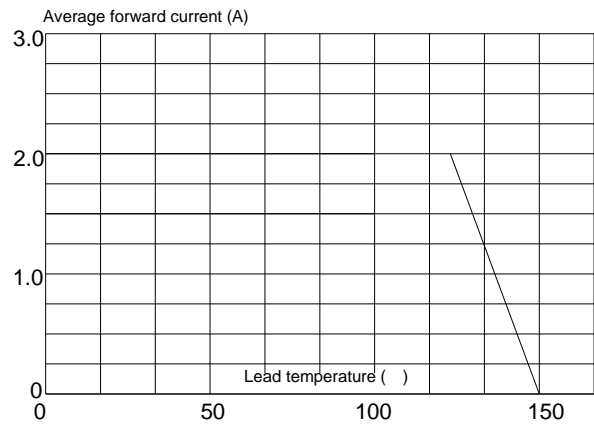


FIG.5: Maximum transient thermal impedance

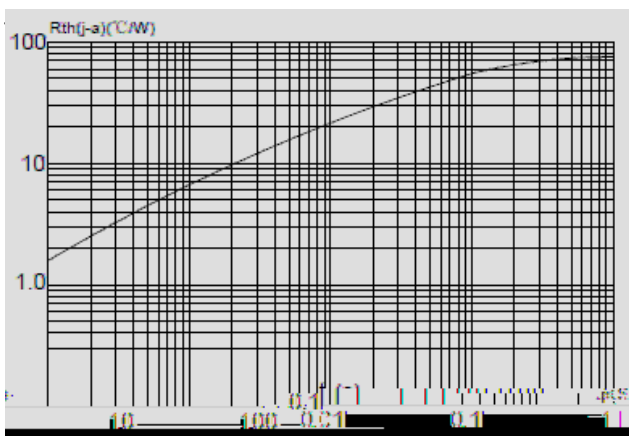
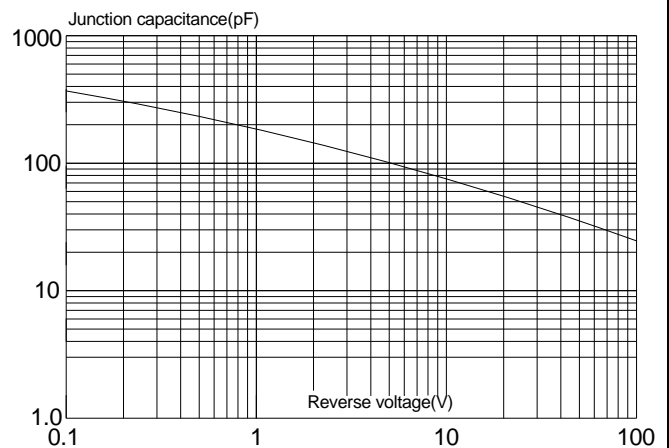


FIG.6: Typical junction capacitance



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