

GS6A~GS6M

GENERAL PURPOSE RECTIFIER

Rev.2.3

DESCRIPTION

- Plastic package has underwriters laboratories flammability classification 94V-0
- For surface mounted applications in order to optimize board space
- Glass passivated chip junction
- Lead free in compliance with EU RoHS 2011/65/EU directive

MECHANICAL DATA

- Case: JEDEC DO-214AB molded plastic
- Terminals: Solder plated, solderable per J-STD-002
- Polarity: Color band denotes cathode end
- Weight: 0.26 gram

ABSOLUTE MAXIMUM RATING AND ELECTRICAL CHARACTERISTICS

(Rating at 25 ambient temperature unless otherwise specified.)

Parameter	Symbol	GS6A	GS6B	GS6D	GS6G	GS6J	GS6K	GS6M
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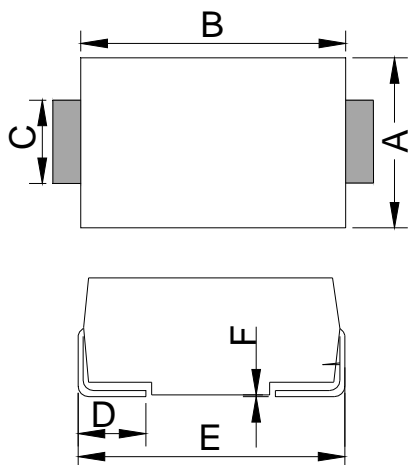
THERMAL RESISTANCES

Symbol	Parameter	GS6A	GS6B	GS6D	GS6G	GS6J	GS6K	GS6M	Unit
$R_{th(j-L)}$	Junction to lead (note1)	15							/W

Note1 Thermal resistance from junction to lead mounted on P.C.B. with 8.0 mm x 8.0 mm copper pad areas.

MARKING

PACKAGE MECHANICAL DATA



Ref.	Dimensions			
	Millimeters		Inches	
	Min.			
A	5.75			
B	6.90			
C	2.75			
D	0.95			
E	7.70			
F	0.051			
G	0.15			

DO-214AB (SMC)

GS6A~GS6M

CHARACTERISTICS CURVE

FIG.1: Typical forward characteristics (25)	FIG.2: Typical reverse characteristics
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FIG.3: Maximum non-repetitive peak forward surge current	FIG.4: Forward current derating curve