GS1504FL~GS1510FL

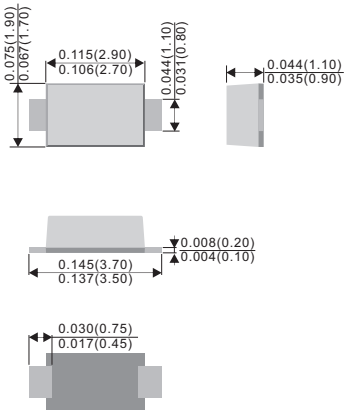
SURFACE GENERAL PURPOSE RECTIFIERS

VOLTAGE 400~1000 Volt **CURRENT** 1.5 Ampere

FEATURES

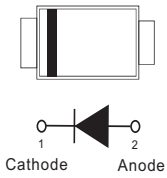
- For surface mounted applications
- Ideal for automated placement
- High temperature soldering : 260°C /10 seconds at terminals
- Glass passivated chip junction
- Lead free in compliance with EU RoHS 2.0
- Green molding compound as per IEC 61249 standard

SOD-123FL Unit : inch(mm)



MECHANICAL DATA

- Case : SOD-123FL,Molded plastic over passivated junction
- Terminals : Solderable per MIL-STD-750, Method 2026
- Approx. Weight : 0.0006 ounces, 0.0173 grams
- Standard Packaging : 8mm tape (EIA-481)
- Polarity : Color band cathode



MAXIMUM RATINGS AND ELECTRICAL CHARACTERISTICS

Ratings at 25°C ambient temperature unless otherwise specified.

PARAMETER	SYMBOL	GS1504FL	GS1506FL	GS1508FL	GS1510FL	UNITS
Marking Code		2G	2J	2K	2M	
Maximum Recurrent Peak Reverse Voltage	V_{RRM}	400	600	800	1000	V
Maximum RMS Voltage	V_{RMS}	280	420	560	700	V
Maximum DC Blocking Voltage	V_{DC}	400	600	800	1000	V
Maximum Average Forward Current	$I_{F(AV)}$	1.5				A
Peak Forward Surge Current : 8.3ms single half sine-wave superimposed on rated load	I_{FSM}	50				A
Maximum Forward Voltage at 1.5A	V_F	1.1				V
Maximum DC Reverse Current at Rated DC Blocking Voltage	I_R	1				uA
Typical Junction Capacitance at 4V, 1MHz	C_J	10				pF
Typical Junction Resistance (Note 1) (Note 2)	$R_{\theta JL}$ $R_{\theta JA}$	35 200				°C / W
Operating and Storage Temperature Range	T_J, T_{STG}	-55 to +150				°C

NOTES : 1.Mounted on a FR4 PCB, single-sided copper, with 100cm^2 copper pad area
2.Mounted on a FR4 PCB, single-sided copper, mini pad.

GS1504FL~GS1510FL

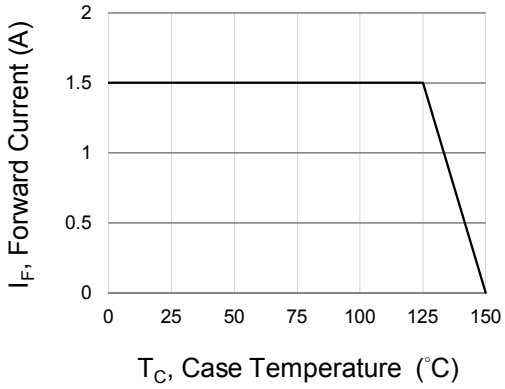


Fig.1 Forward Current Derating Curve

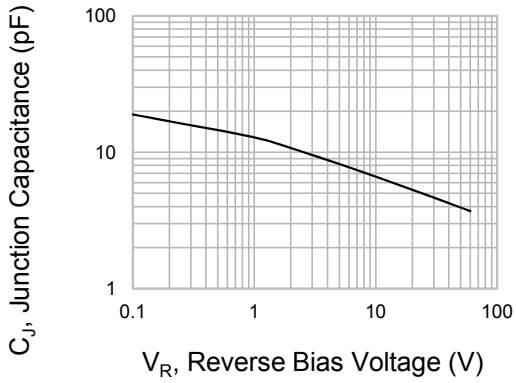


Fig.2 Typical Junction Capacitance

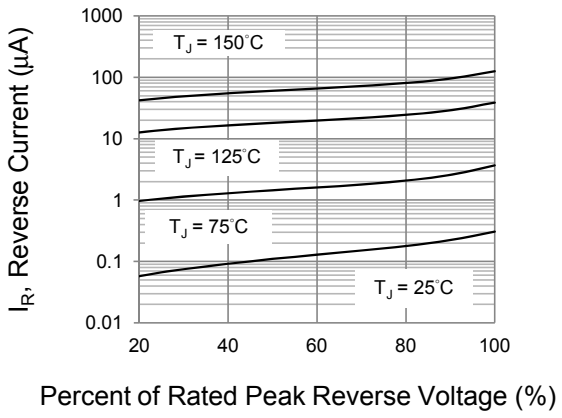


Fig.3 Typical Reverse Characteristics

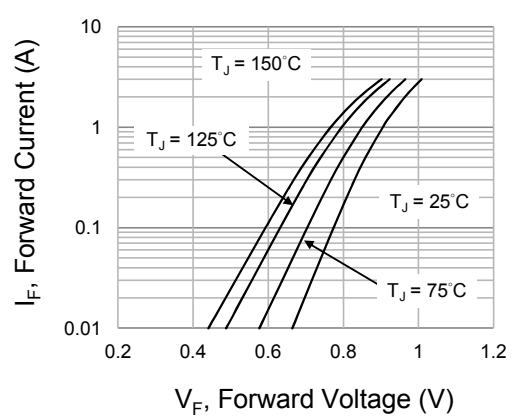
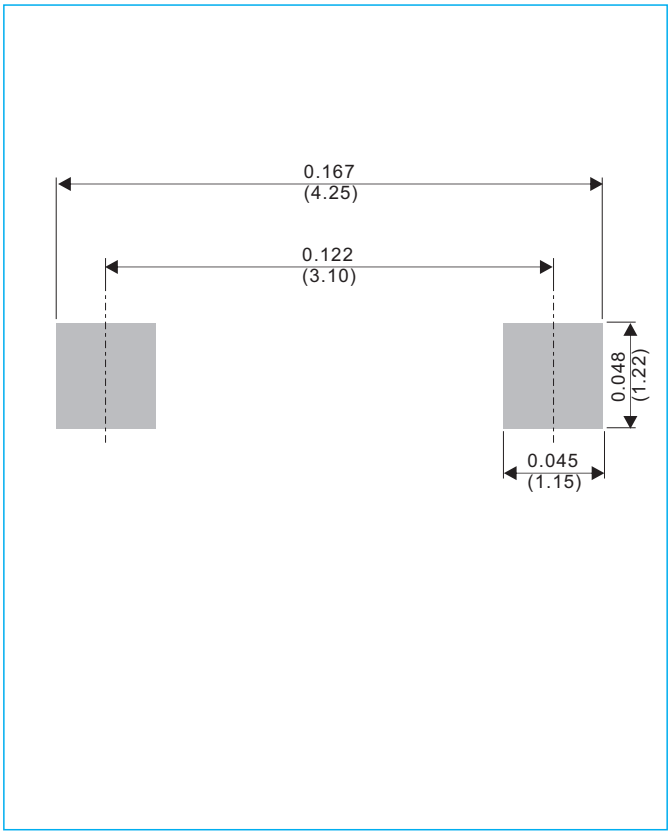


Fig.4 Typical Forward Characteristics

GS1504FL~GS1510FL

MOUNTING PAD LAYOUT

SOD-123FL Unit：inch(mm)



ORDER INFORMATION

- Packing information

  T/R - 10K per 13" plastic Reel

  T/R - 3K per 7" plastic Reel

GS1504FL~GS1510FL

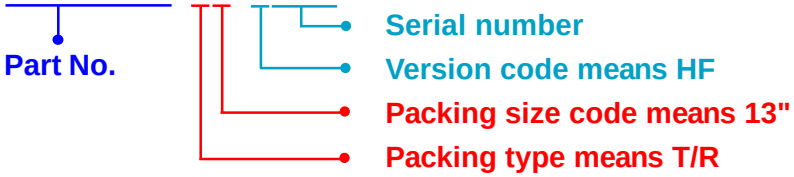
Part No_packing code_Version

GS1504FL_R1_00001

GS1504FL_R2_00001

For example :

RB500V-40_R2_00001



Packing Code XX				Version Code XXXXX		
Packing type	1st Code	Packing size code	2nd Code	HF or RoHS	1st Code	2nd~5th Code
Tape and Ammunition Box (T/B)	A	N/A	0	HF	0	serial number
Tape and Reel (T/R)	R	7"	1	RoHS	1	serial number
Bulk Packing (B/P)	B	13"	2			
Tube Packing (T/P)	T	26mm	X			
Tape and Reel (Right Oriented) (TRR)	S	52mm	Y			
Tape and Reel (Left Oriented) (TRL)	L	PANASERT T/B CATHODE UP (PBCU)	U			
FORMING	F	PANASERT T/B CATHODE DOWN (PBCD)	D			

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