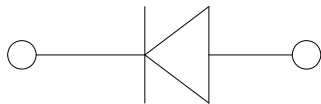


Low profile package  
Ideal for automated placement  
Glass passivated chip junction  
High forward surge capability  
Meets MSL level 1, per J-STD-020, LF maximum peak of 260 °C

For use in general purpose rectification of power supplies, inverters, converters, and freewheeling diodes for consumer, and telecommunication.

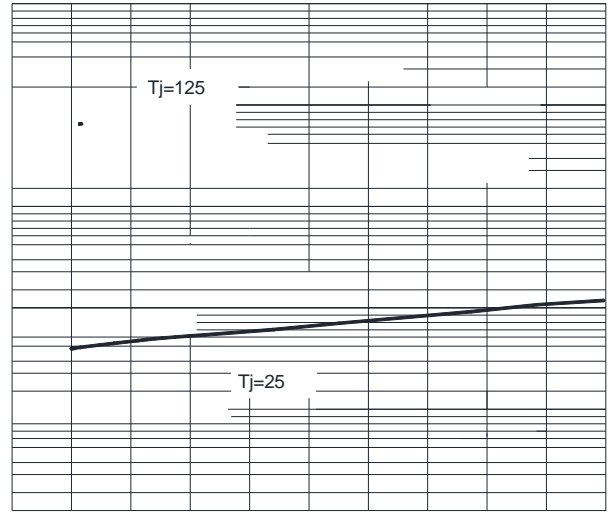


Package: DO-214AB (SMC)  
Molding compound meets UL 94 V-0 flammability rating, RoHS-compliant, halogen-free  
Terminals: Tin plated leads, solderable per J-STD-002 and JESD22-B102  
J h o d p P /fg...WM\* I3 ð ñ Hð €µ m † P

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Device marking code			GS5A	GS5B	GS5D	GS5G	GS5J	GS5K	GS5M
Maximum Repetitive peak reverse voltage	$V_{RRM}$	V	50	100	200	400	600	800	1000
Maximum RMS Voltage	$V_{RMS}$	V	35	70	140	280	420	560	700
Maximum DC Blocking Voltage	$V_{DC}$	V	50	100	200	400	600	800	1000
Average Rectified Output Current @60Hz sine wave, Resistance load, TL (FIG.1)	$I_o$	A	5.0						
Forward Surge Current (Non-repetitive) @60Hz Half-sine wave, 1 cycle, $T_j=25$	$I_{FSM}$	A	150						
Forward Surge Current (Non-repetitive) @1ms, square wave, 1 cycle, $T_j=25$			300						
Current squared time @1ms t 8.3ms $T_j=25$	$I^2t$	$A^2s$	94						
Storage Temperature	$T_{stg}$		-55 ~ +150						
Junction Temperature	$T_j$		-55 ~ +150						



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DO-214AB (SMC)		
Dim	Min	Max
A	6.60	7.11
B	2.85	3.27
C	5.59	6.22
D	7.75	8.13
E	1.99	2.61
F	0.15	0.31
G	0.76	1.52
H	0.05	0.20

Dim	Min
P1	9.9
P2	3.84
Q1	3.03
Q2	3.82



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