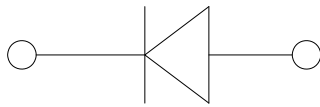


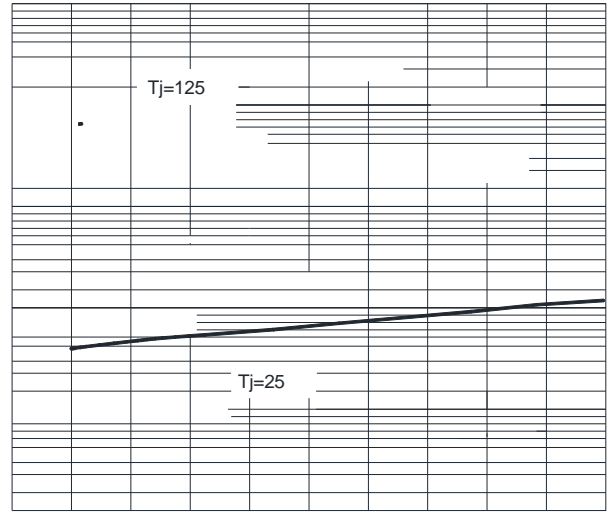
Low profile package
Ideal for automated placement
Glass passivated chip junction
High forward surge capability
Meets MSL level 1, per J-STD-020, LF maximum peak of 260 °C

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

		UNIT	GS5A	GS5B	GS5D	GS5G			
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 ² s	94						
Storage Temperature	T_{stg}		-55 ~ +150						
Junction Temperature	T_j		-55 ~ +150						



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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The product listed herein is designed to be used with ordinary electronic equipment or devices, and not designed to be used with equipment or devices which require high level of reliability and the malfunction of which would directly endanger human life (such as medical instruments, transportation equipment, aerospace machinery, nuclear-reactor controllers, fuel controllers and other safety devices), Yangjie or anyone on its behalf, assumes no responsibility or liability for any damages resulting from such improper use of sale.

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