

**D5F5A9H9F**

For use in high frequency 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

Meas M- unless otherwise specified

D5F5A9H9F	GMA6C@	IB-H	; F) 5
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Maximum instantaneous forward voltage	V <sub>F</sub>	V	IFM=5.0A	1.3
Maximum reverse recovery time	t <sub>rr</sub>	ns	I <sub>F</sub> =0.5A, I <sub>R</sub> =1.0A, I <sub>R</sub> =0.25A	150, 250, 500
Maximum DC reverse current at rated DC blocking voltage	I <sub>R</sub>	μA	T <sub>J</sub> =25	5
			T <sub>J</sub> =125	100
Typical junction capacitance	C <sub>j</sub>	pF	Measured at 1MHz and Applied Reverse Voltage of 4.0 V.D.C	57, 39, 31
Junction Temperature	T <sub>J</sub>			-55 ~ +150

**9'YWhf]WU' 7 \UfUWhYf]gh]Wg' (Ta=25 Unless otherwise specified)**

D5F5A9H9F	GMA6C@	IB-H	H9GH' 7CB8-H-CBG'	; F) 5	; F) 6	; F) 8	; F) ;	; F) >	; F) ?	; F) A
Maximum instantaneous forward voltage	V <sub>F</sub>	V	IFM=5.0A	1.3						
Maximum reverse recovery time	t <sub>rr</sub>	ns	I <sub>F</sub> =0.5A, I <sub>R</sub> =1.0A, I <sub>R</sub> =0.25A	150			250	500		
Maximum DC reverse current at rated DC blocking voltage	I <sub>R</sub>	μA	T <sub>J</sub> =25	5						
			T <sub>J</sub> =125	100						
Typical junction capacitance	C <sub>j</sub>	pF	Measured at 1MHz and Applied Reverse Voltage of 4.0 V.D.C	57			39	31		



Typical Thermal Resistance (Ta=25 Unless otherwise specified)

Part Number	Package	Lead Type	Case	Mounting	Condition	Condition	Condition	Condition	Condition
Typical Thermal Resistance	R J-A(1)	/W	48						
	R J-L(1)		15						
	R J-C(1)		12						

Note (1)

Thermal resistance from junction to ambient and from junction to lead mounted on P.C.B. with 0.6" x 0.6" (16 mm x 16 mm) copper pad areas

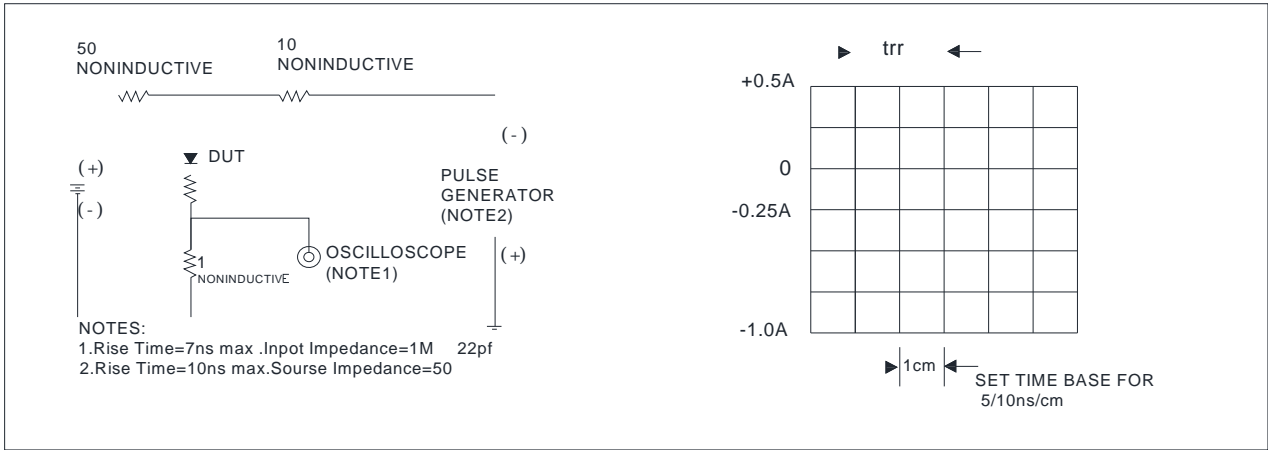
Example

Part Number	Package	Lead Type	Case	Mounting	Condition	Condition
GR5A~GR5M	F1	Approximate 0.254	3000	/	42000	13" reel

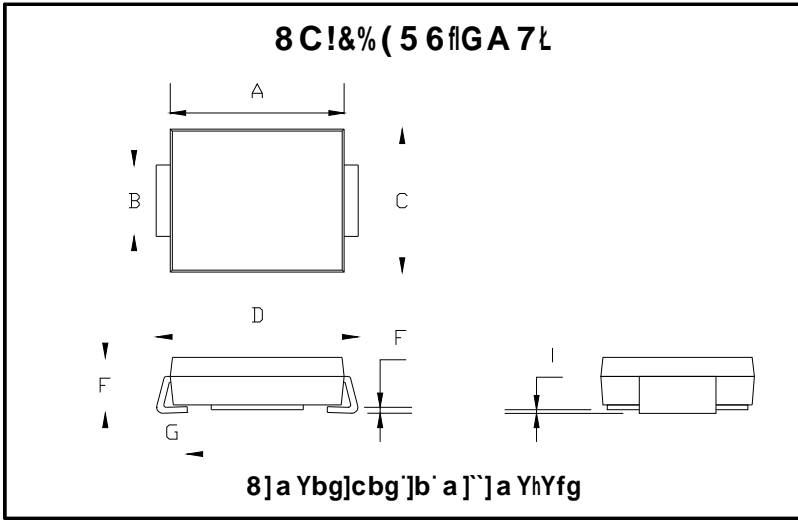
Typical



:: ; ' ) · 8] U [ f U a ' c z W] f W i] h' U b X' H Y g h] b [ ' k U j Y' z c f a ' c z' f Y j Y f g Y' f Y W c j Y f m' h] a Y

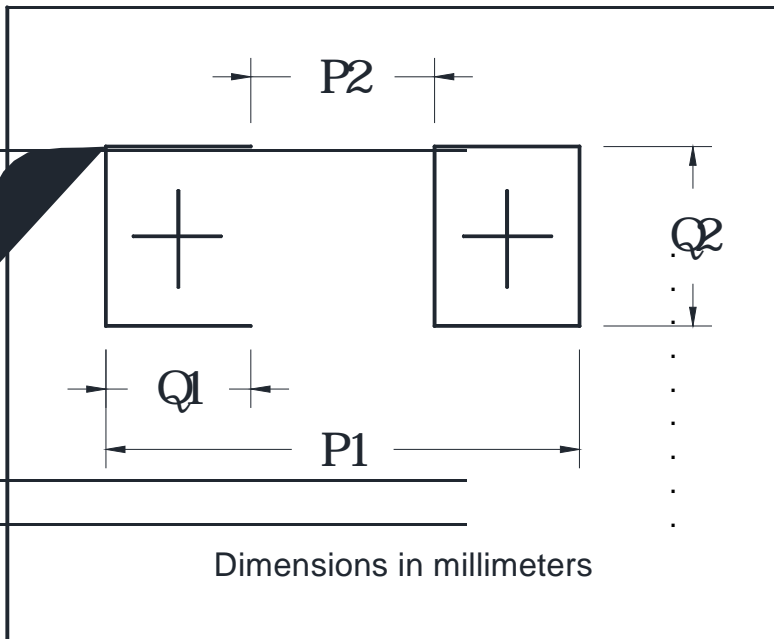


C i h' ] b Y' 8] a Y b g] c b g' ·



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

' G i [ [ Y g h Y X' d U X' ' U m c i h' ·



8 C! & % ( 5 6 f i G A 7 L ' ·	
Dim	Min
P1	9.9
P2	3.84
Q1	3.03
Q2	3.82



**8]gW'U]a Yf'**

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