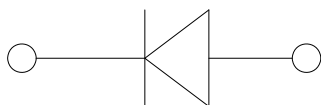


Hmd]WU` 5dd`]WUh]cbg`

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



AYW\Ub]WU` 8UhU`

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
P sr Â Unless otherwise specified

D5F5A9H9F`	GMA6C@	IB-H`	; F)5 I E	JFFA`	J`)\$`
------------	--------	-------	-----------	-------	----	------

AUI]a i a`FAG`Jc`hU[Y`	J`	J`)`	+\$`	%(\$`	&,\$`	(&\$`)*\$`	+\$ \$`
AUI]a i a`87`V`cW_]b[`Jc`	J`	J`)\$`	%%\$ \$`	&\$ \$`	(\$ \$`	**\$ \$`	,\$ \$`	%%\$ \$ \$`
5 jYfU[Y`FYWh]Z]YX`C`ihd`ih` 4 *\$<n`g]bY`kUjY`Z`FYg]` :cfkUfX`Gif[Y`7`iffYbh`flB` Yh]h]jYt`	5`	A`)\$`			120	200	60	
@ 1ms, square wave, 1 cycle, Tj=25 Current squared time @ 1ms t 8.3ms Tj=25	I ² t	A ² s							
Junction Temperature	Tj								-55 ~ +150

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

D5F5A9H9F`	GMA6C@	IB-H`	H9GH`7`CB8-H-CBG`	; F)5	; F)6	; F)8	; F);	; F)>	; F)?	; F)A
Maximum instantaneous forward voltage	V _F	V	IFM=5.0A	1.3						
Maximum reverse recovery time	t _r	ns	I _F =0.5A, I _R =1.0A, I _r =0.25A	150			250	500		
Maximum DC reverse current at rated DC blocking voltage	I _R	μA	T _j =25	5						
			T _j =125	100						
Typical junction capacitance	C _j	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	Mounting	Case	Lead	Foot	Pad	Tip	Body	Lead
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

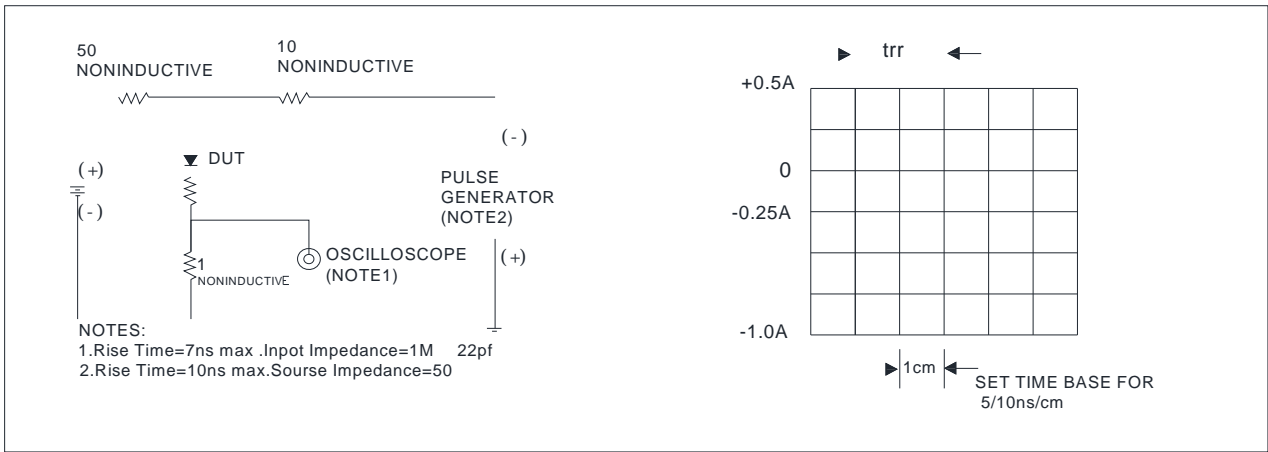
Example

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

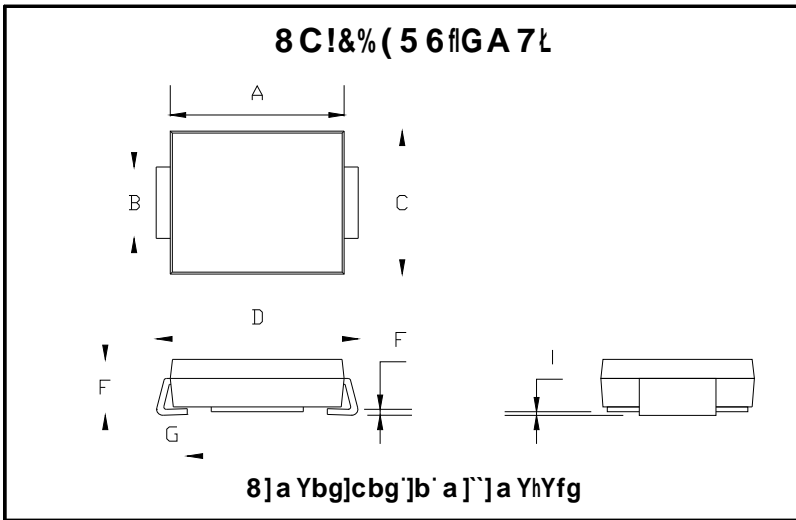
Typical



:: ; ') · 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

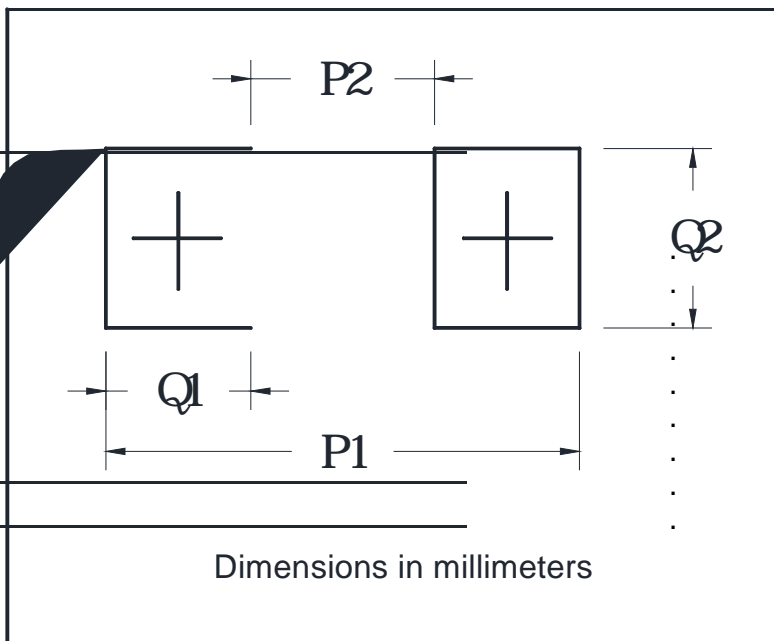


C i h'] b Y' 8] a Y b g] c b g' ·



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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