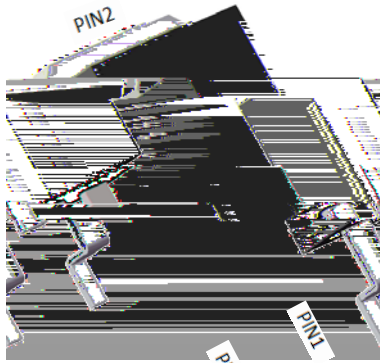


I`hfU! : Ugh`FYWc jYfm`8]cXYg`) 5†&` : F98`



:YUhi fYg`

- Adopt FRED chip`
- Low forward Voltage drop`
- Fast reverse recovery time`
- High frequency operation`
- High purity, high temperature epoxy encapsulation for enhanced mechanical strength and moisture resistance`
- Guard ring for enhanced ruggedness and long term reliability`

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

Typical applications are in switching power supplies, converters, freewheeling diodes, and reverse battery protection.

AYW\Ub]WU` 8UuU`

DUW_U[Y: TO-263

Molding compound meets UL 94 V-0 flammability rating, RoHS-compliant

HYf a]bU`g: Tin plated leads, solderable per J-STD-002 and JESD22-B102

Dc`Uf]hm: As marked

AUI]a i a`FUh]b]g (Tj=25 Unless otherwise specified

D5F5A9H9F`			
FYdYh]h]jY`DYU`_FYjYfgY`Jc`hU[Y	J _{FFA`}	J`	(\$\$`
5 jYfU[Y`FYWh]Z]YX`C i hd i h`7 i ffYbh` 4 *\$< n`g]bY`kUjY ž`F!`cU]fz`z]H`%L` G i f[Yf]Bcb!fYdYh]h]jYŁ: cf kUfX`7 i ffYbh` 4 *\$< n\U`Z`g]bY!kUjY ž`%`WmWY ž`Hg	f _{c`}	5`	%%`
GhcfU[Y`HY a dYfUh i fY`	Hgh [`		



A I F 6 % \$ (\$ 7 H

9`YWhf]WU`7\UfUWhYf]gh]Wg`

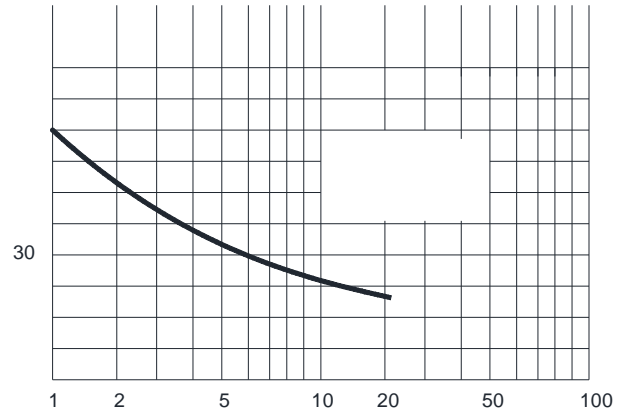
D5F5A9H9F`	GMA6C@`	IB-H`	H9GH`7CB8-H-CBG`	A]b`	Hmd`	AUI`
Instantaneous forward voltage drop per diode	V_{FM}	V	$I_{FM}=5.0A @T_j=25$	-	1.15	1.30
			$I_{FM}=5.0A @T_j=150$	-	0.9	1.0
DC reverse current at rated DC blocking voltage per diode	I_{RRM1}	uA	$V_{RM}=V_{RRM}$ $T_j=25$	-	-	5.0
	I_{RRM2}		$V_{RM}=V_{RRM}$ $T_j=150$	-	25	100
Reverse Recovery Time	T_{rr}	ns	$I_F=0.5A I_{RM}=1A$ $I_{RR}=0.25A T_j=25$	-	25	35
			$T_j=25$	-	29.5	-
			$T_j=125$	-	46.6	-
Peak recovery current	I_{RRM}	A	$T_j=25$	-	3.49	-
			$T_j=125$			
Reverse recovery charge	Q_{rr}	nC	$T_j=25$	-	55.22	-
			$T_j=125$	-	130	-

H\Yf aU`7\UfUWhYf]gh]Wg` $T_j=25$ Unless otherwise specified

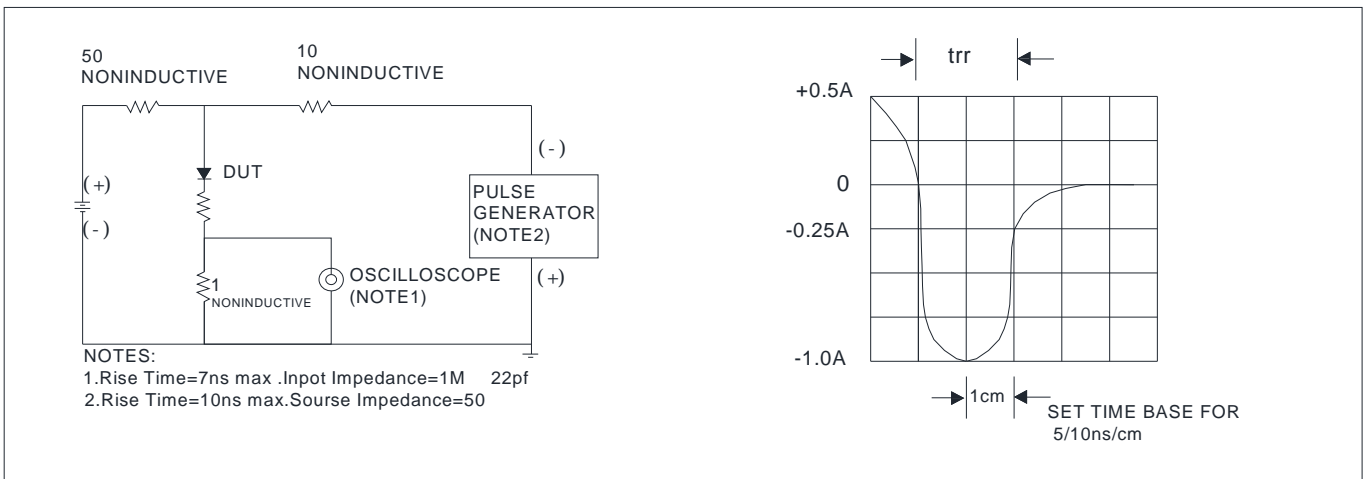
D5F5A9H9F`		GMA6C@`	IB-H`	A I F 6 % \$ (\$ 7 H
Thermal Resistance	Between junction and case	R J-C	/W	2.0
Thermal Resistance	Between junction and A	â	i	- 2



7 \UfUWhYf]gh]Wg (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

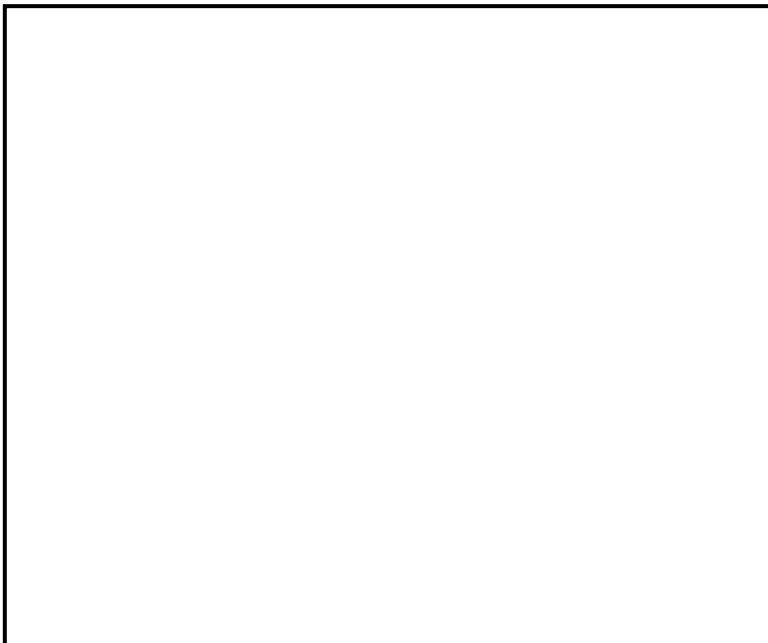




C i h`]bY' 8]a Ybg]cbg'

HC!&*''		
Dim	Min	Max
A	9.5	11.5
B	9.7	10.5
C	8.4	9.0
D	0.28	0.64
E		

Gi [[YghYX'DUX'@Umc ih





A I F 6 % \$ (\$ 7 H

8]gW'U]a Yf

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