



A6F%\$\$\$D)7E

GW\chh_m'8]cXYg'

.....:YUhiFYg'

- 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
- Part no. with suffix "Q" means AEC-Q101 qualified

Hmd]WU'5dd']WUh]cbg'

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

ATW\ub]WU'8uU'1 & X a e q

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

Dc'Uf]hm: As marked

Å

AUI]a i a 'FUh]b [g (Ta=25

D5F5A9H9F'			
FYdYh]h] j Y'dYU_'fY j YfgY' j c'hU[Y	J _{FFA}		%%\$'
5 j YfU[Y'FYWh]Z]YX'C ihdih'7 iffYbh'4 * \$<n' ! g]bY' kU j Y z 1H% * \$	I _O	A	10
Forward Surge Current (Non-repetitive) per diode @60Hz 8.3ms half-sine wave, 1 cycle, T _a =25 -	I _{FSM}	A	100
Current Squared Time @1ms t 8.3ms T _J =25 -	I ² t	A ² s	41
Storage Temperature	T _{stg}	-	-55 ~ +175
Junction Temperature	T _J	-	-55 ~ +175

9'YWhf]WU'7 \UfUWhYf]gh]Wg ÅTa=25 Unless otherwise specified Å

D5F5A9H9F'	GMA6C@	I B=H	H9GH'7CB8=H-CBG'	Hmd'	AUI'
Instantaneous forward voltage per diode			I _F =5A	T _J =25 -	0.8
			I _F =5A	T _J =125 -	0.7
Typical junction capacitance per diode	C _J	pf	V _R =4V, f=1 MHz		

T_J=125 -

200



7 \UfUWhYf]gh]Wg



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H\YfaU`7\UfUWhYf]gh]Wg`

D5F5A9H9F`	GMA6C@`	IB-H`	A6F%\$\$D)7E
Typical thermal resistance per diode	R _{J-A}	- /R	55 ⁽¹⁾
	R _{J-C}	- /R	3.5 ⁽²⁾

Note:



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



8]gW'U]a Yf'

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