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High frequency operation  
Low forward voltage drop  
High purity, high temperature epoxy encapsulation for enhanced mechanical strength and moisture resistance  
Guard ring for enhanced ruggedness and long term reliability  
Meets MSL level 1, per J-STD-020, LF maximum peak of 260

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

: TO-263

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

: Tin plated leads, solderable per J-STD-002 and JESD22-B102

: As marked

( $T_a=25$  Unless otherwise specified)

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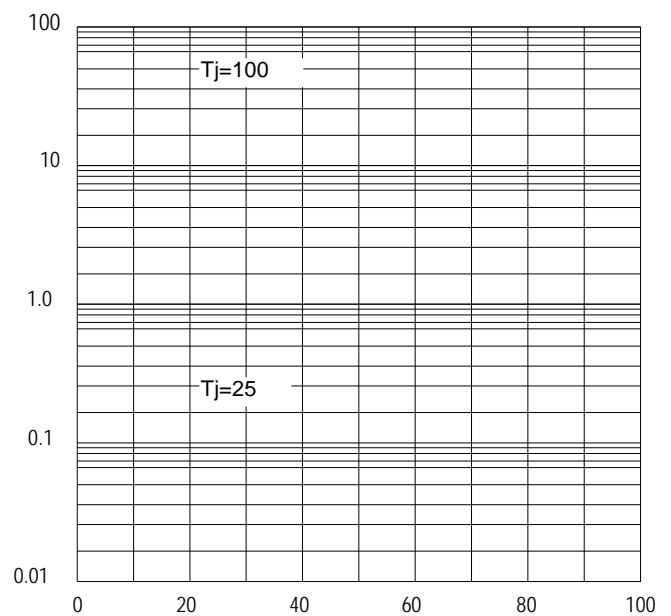
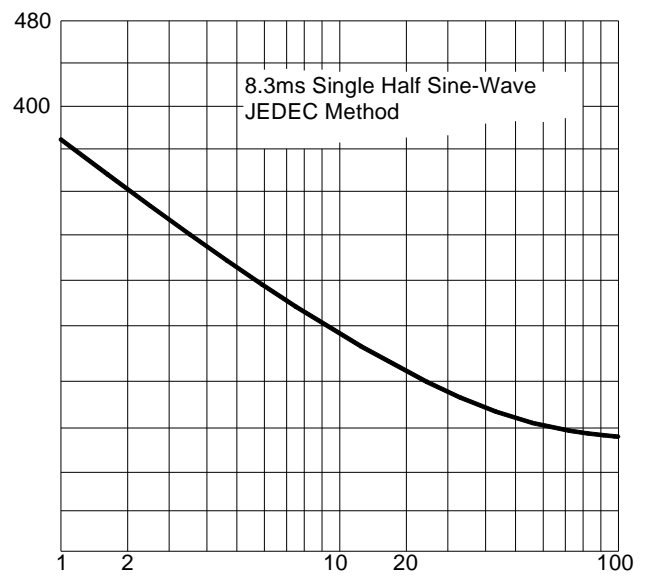
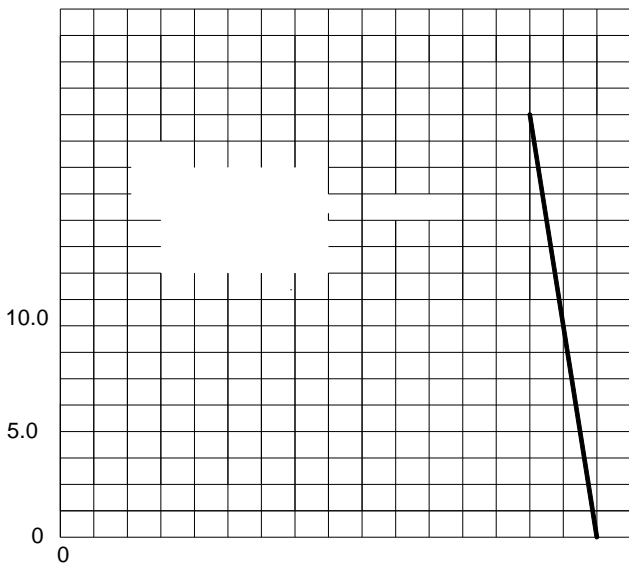
$T_a=25$  Unless otherwise specified

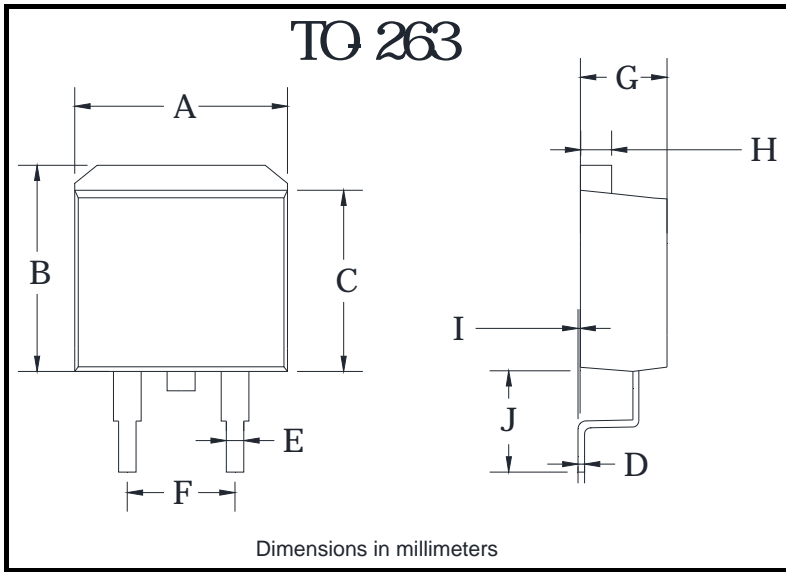
Thermal Resistance	Between junction and case	$R_{J-C}$	$^{\circ}C/W$	2.0
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(Example)

GF2045MG	Approximate 1.46	50	2000	8000	Tube
GF2045MG	Approximate 1.46	1000	2000	10000	Reel

(Typical)





Dim	Min	Max
A	9.5	11.5
B	9.7	10.5
C	8.4	9.0
D	0.28	0.64
E	0.68	0.94
F	4.55	5.6
G	4.04	5.10
H	1.14	1.4
I	0	0.2
J	4.9	6.05



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