



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)





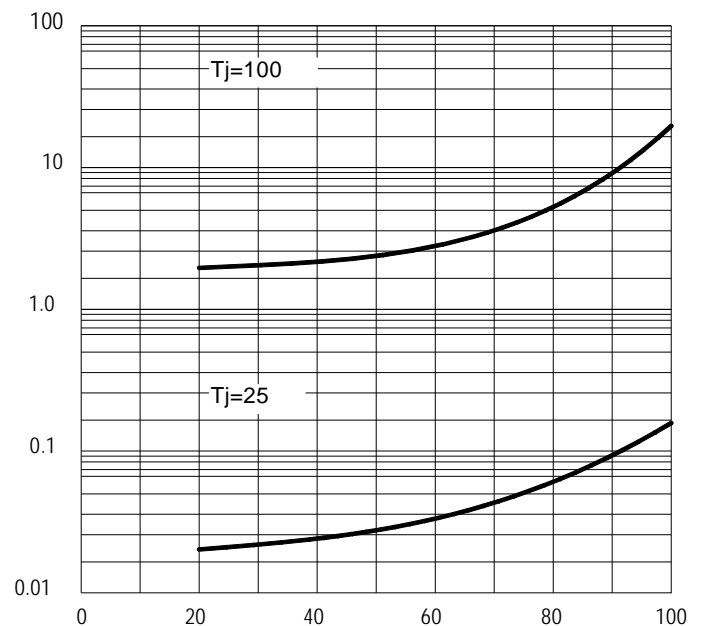
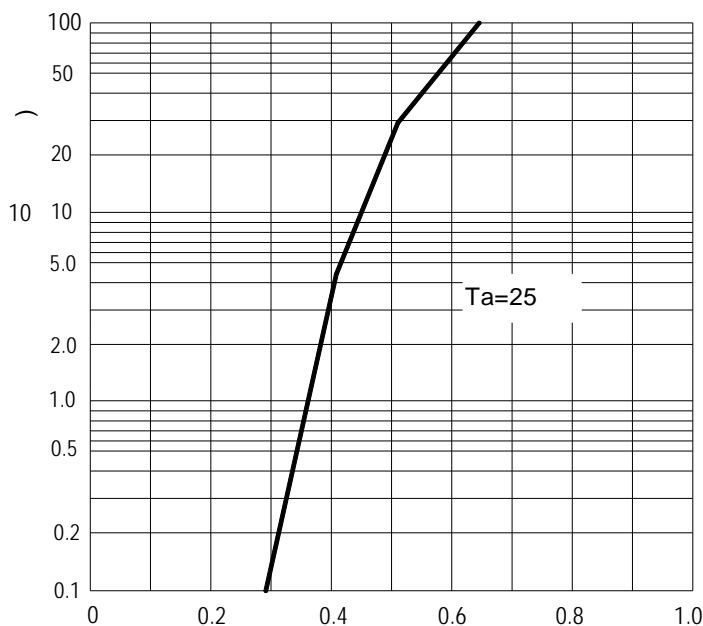
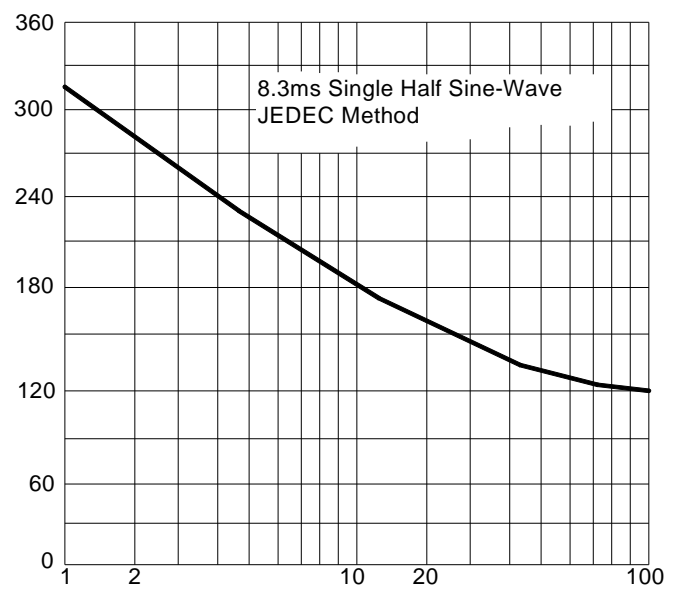
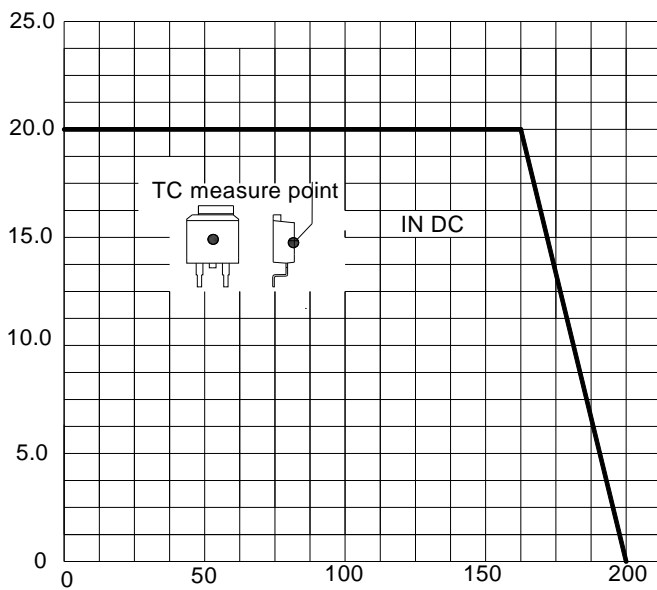
$T_a=25$ Unless otherwise specified

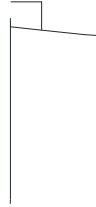
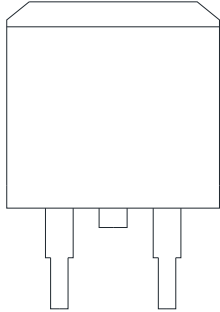
Thermal Resistance	Between junction and case	R_{J-C}	/W	2.0
--------------------	---------------------------	-----------	----	-----

(Example)

GF2045MG	Approximate 1.44	50	2000	8000	Tube
GF2045MG	Approximate 1.44	1000	2000	10000	Reel

(Typical)







The information presented in this document is for reference only. Yangzhou Yangjie Electronic Technology Co., Ltd. reserves the right to make changes without notice for the specification of the products displayed herein to improve reliability, function or design or otherwise.

The product listed herein is designed to be used with ordinary electronic equipment or devices, and not designed to be used with equipment or devices which require high level of reliability and the malfunction of which would directly endanger human life (such as medical instruments, transportation equipment, aerospace machinery, nuclear-reactor controllers, fuel controllers and other safety devices), Yangjie or anyone on its behalf, assumes no responsibility or liability for any damages resulting from such improper use of sale.

This publication supersedes & replaces all information previously supplied. For additional information, please visit our website [http:// www.frxelec.com](http://www.frxelec.com) , or consult your nearest Yangjie's sales office for further assistance.