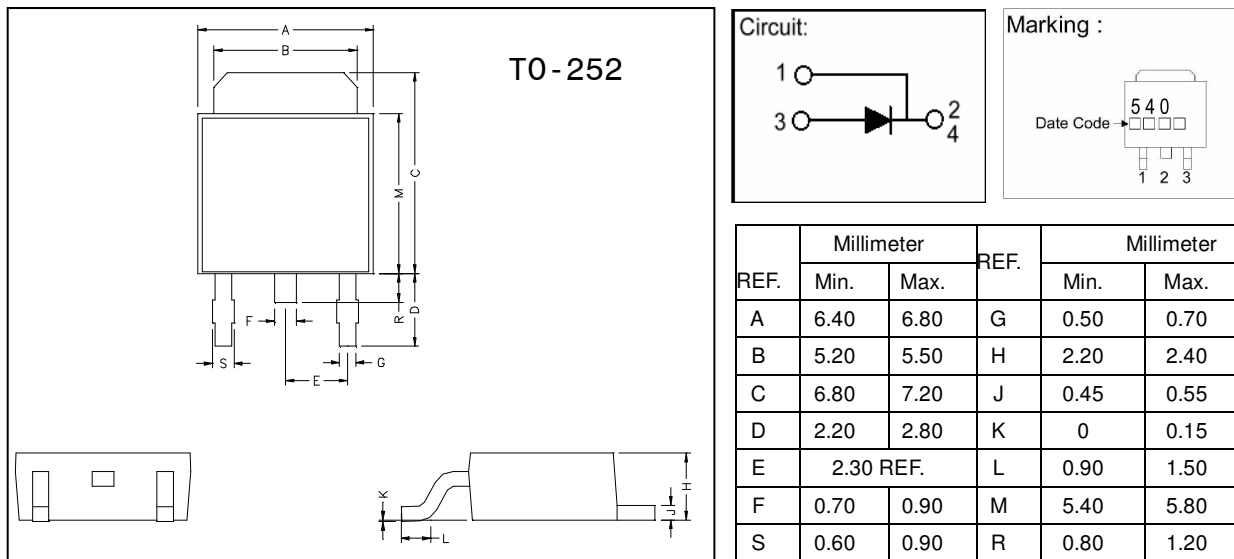


GBL540

Description

The GBL540 is designed for Low Voltage, High Frequency Inverter, Free Wheeling, and Polarity Protection Application.

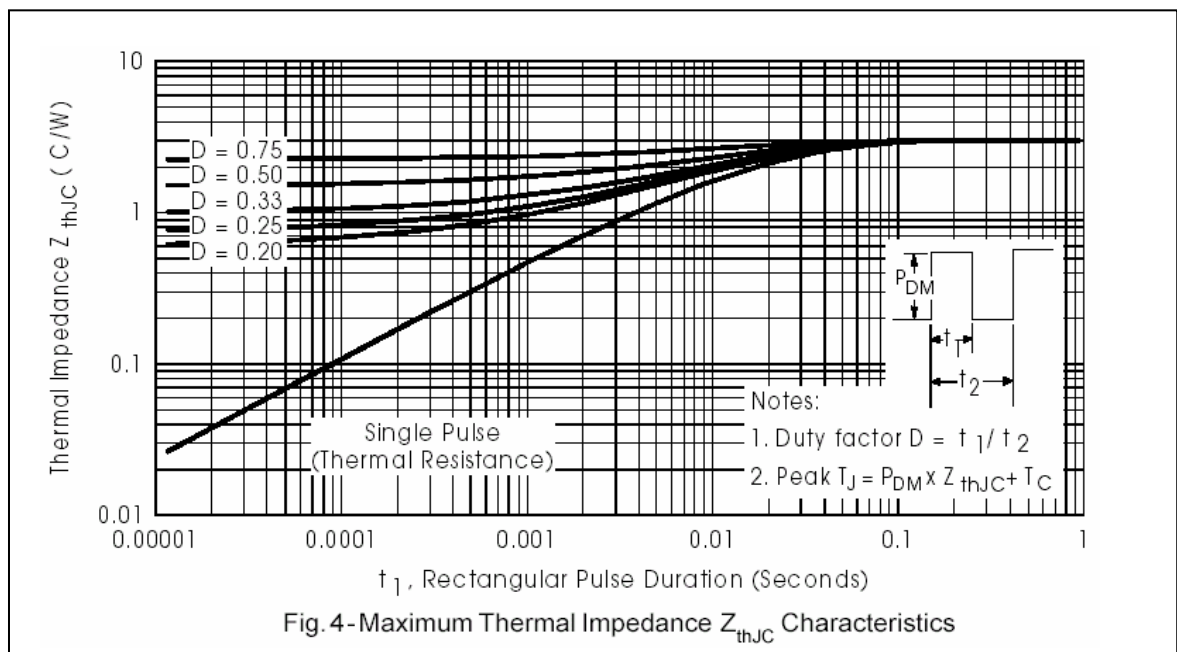
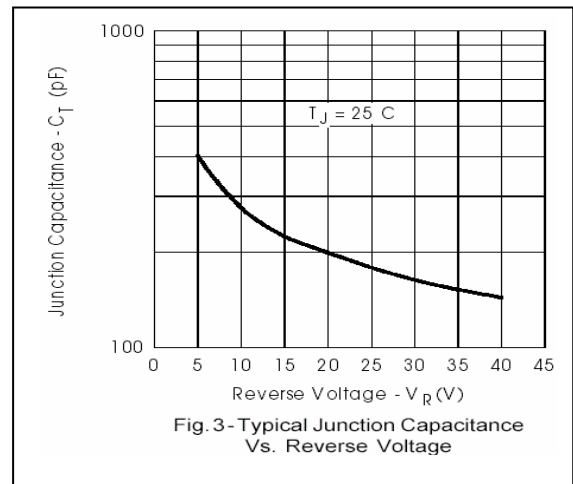
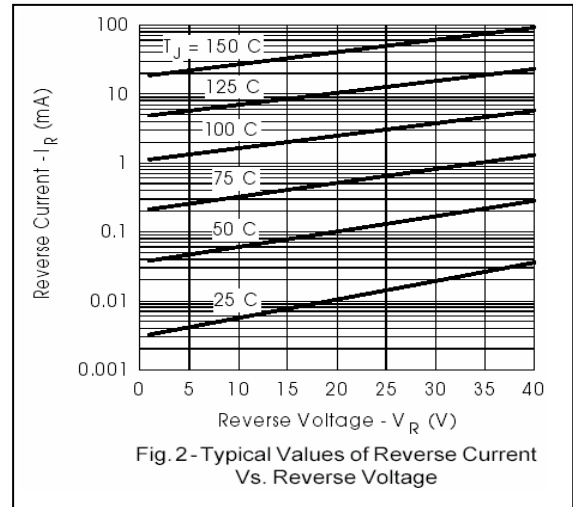
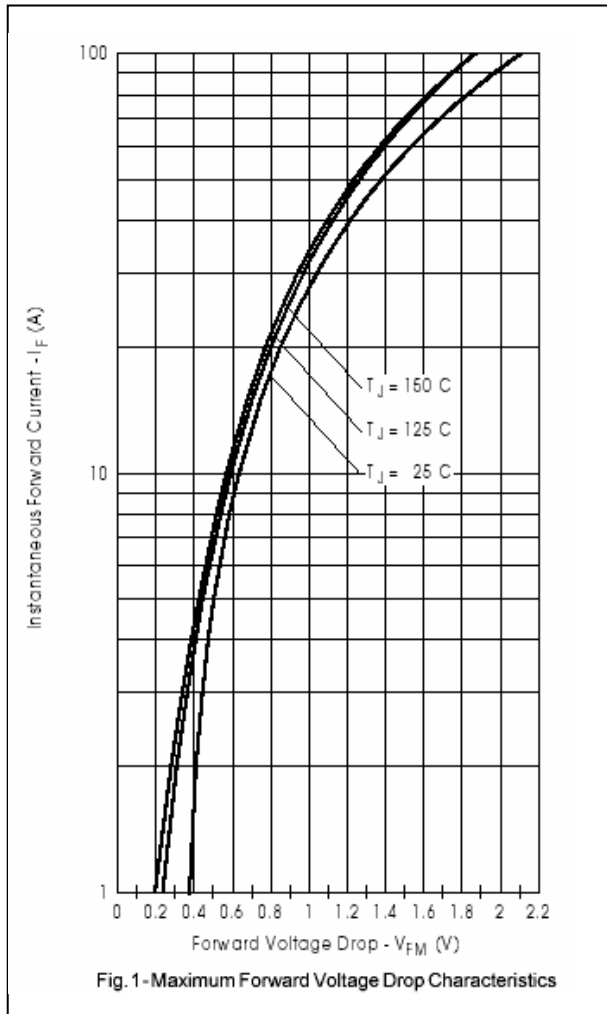
Package Dimensions

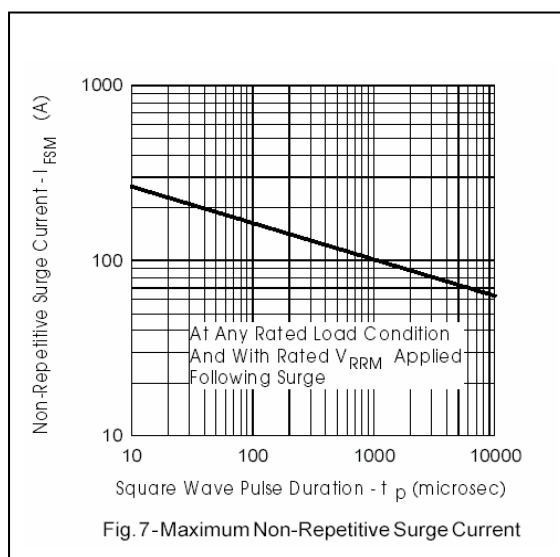
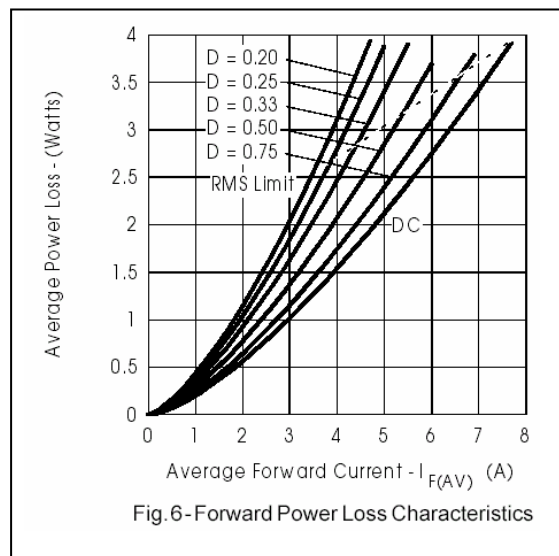
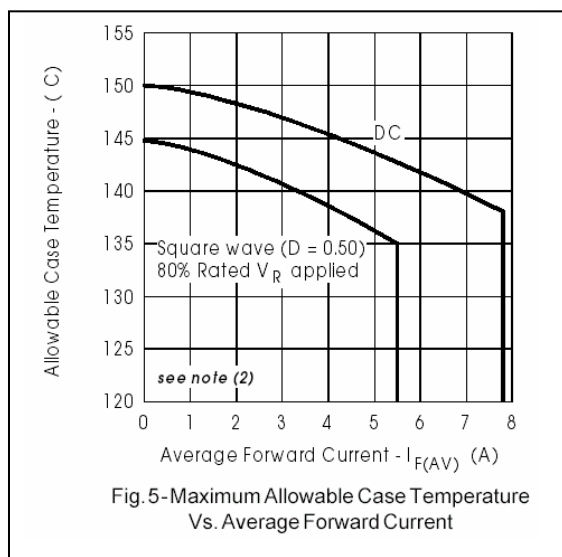


Absolute Maximum Ratings

Parameter	Symbol	Ratings	Unit
Junction Temperature	T _j	-40~+125	°C
Storage Temperature	T _{stg}	-40~+125	°C
Typical Thermal Resistance Junction to Case	R _{θJC}	3.0	°C/W
Typical Junction Capacitance	C _j	405	pF
Reverse Leakage Current @ T _j = 25 °C VR=40V	I _{RM}	0.3	mA
Reverse Leakage Current @ T _j = 125 °C VR=40V		40	mA
Forward Voltage Drop @ I _F = 5.0A , T _j = 25 °C	V _{FM}	0.55	V
Forward Voltage Drop @ I _F = 5.0A , T _j = 125 °C		0.44	V
Non-Repetitive Peak Forward Surge Current 5us Single half Sine-wave superimposed on rated load	I _{FSM}	340	A
Non-Repetitive Peak Forward Surge Current 10ms Single half Sine-wave superimposed on rated load		70	
Rectangular waveform	I _F	5.0	A
DC Reverse Voltage	V _{R(RMS)}	40	V
Working Peak Reverse Voltage	V _{RWM}	40	V

Characteristics Curve





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