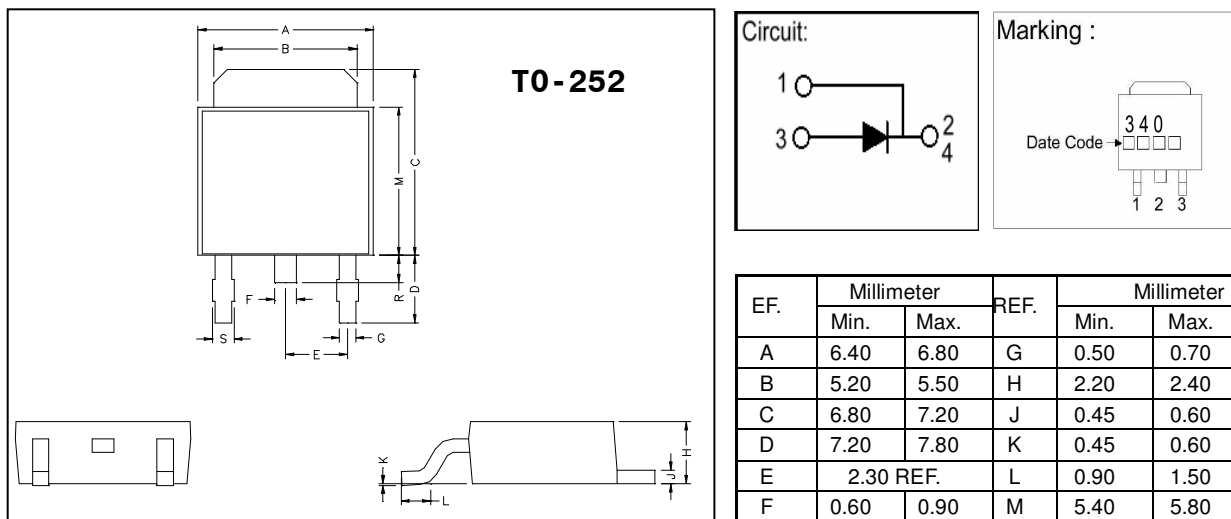


GB340

Description

The GB340 is designed for Low Voltage, High Frequency Inverter, Free Wheeling, and Polarity Protection Application.

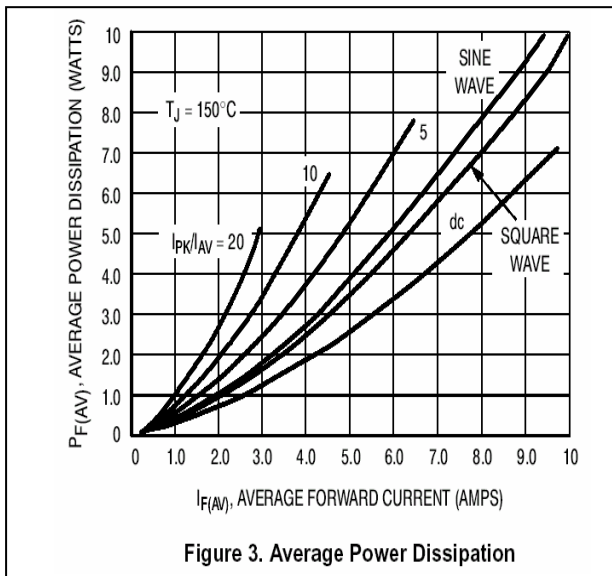
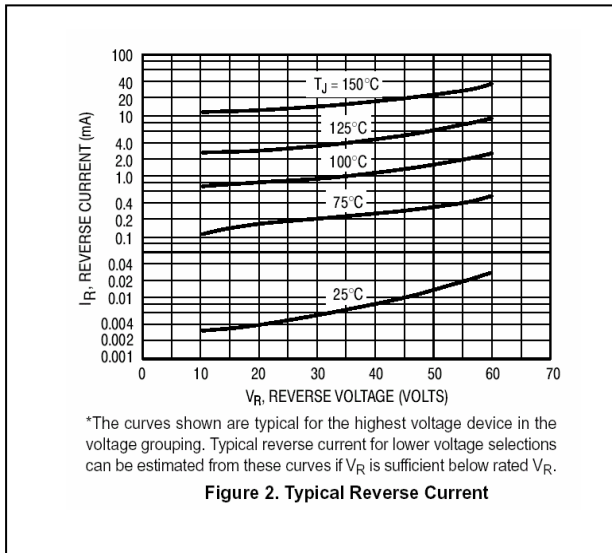
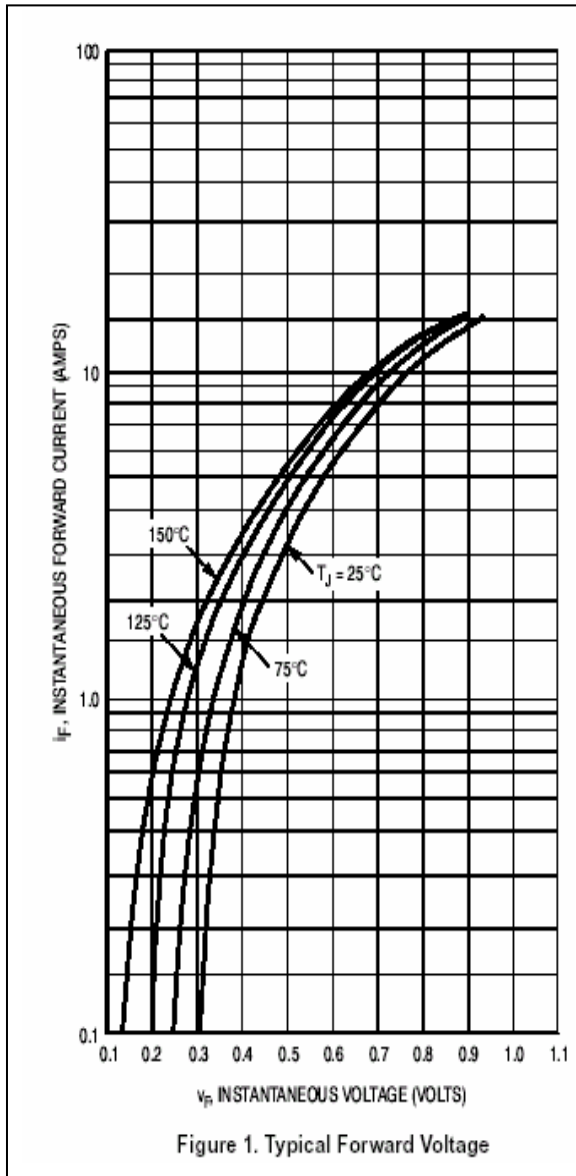
Package Dimensions

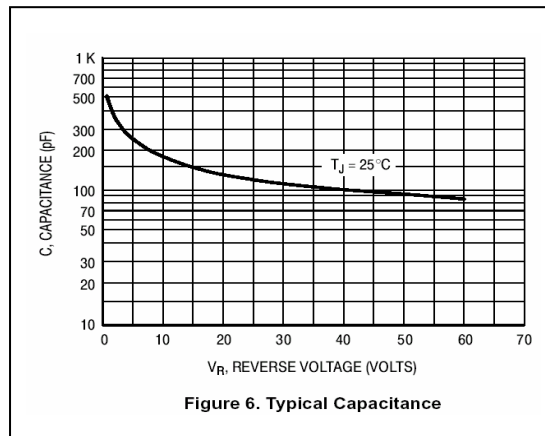
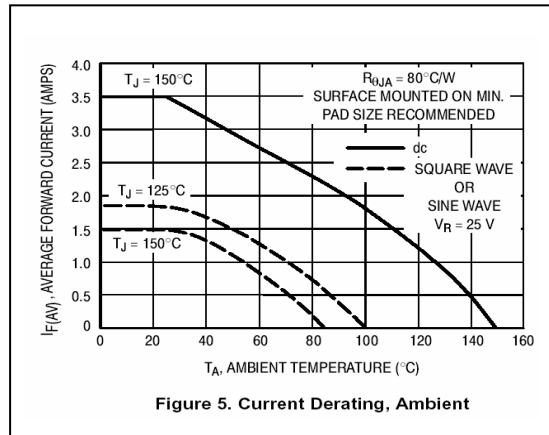
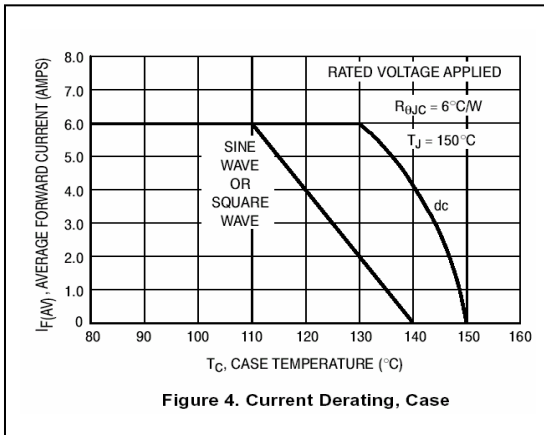


Absolute Maximum Ratings

Parameter	Symbol	Ratings	Unit
Junction Temperature	T_j	-40~+125	°C
Storage Temperature	T_{stg}	-40~+125	°C
Typical Thermal Resistance Junction to Case	$R_{\theta JC}$	6	°C/W
Typical Thermal Resistance Junction to Ambient	C_j	189	pF
Reverse Leakage Current @ $T_j = 25\text{ °C}$ $V_R=40V$	I_{RM}	0.3	mA
Reverse Leakage Current @ $T_j = 125\text{ °C}$ $V_R=40V$		20	mA
Forward Voltage Drop @ $I_F = 3.0A$, $T_j = 25\text{ °C}$	V_{FM}	0.55	V
Forward Voltage Drop @ $I_F = 3.0A$, $T_j = 125\text{ °C}$		0.49	V
Non-Repetitive Peak Forward Surge Current 5us Single half Sine-wave superimposed on rated load	I_{FSM}	490	A
Non-Repetitive Peak Forward Surge Current 10ms Single half Sine-wave superimposed on rated load		75	
Rectangular waveform	I_F	3.0	A
DC Reverse Voltage	$V_{R(RMS)}$	40	V
Working Peak Reverse Voltage	V_{RWM}		V

Characteristics Curve





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