



Electrical Characteristics

PARAMETER	SYMBOL	UNIT	TEST CONDITIONS	Typ.	Max.
Forward voltage drop	V_F	V	$I_F=15A, T_j=25^{\circ}C$	1.35	1.55
			$I_F=15A, T_j=175^{\circ}C$	1.85	-
Reverse leakage current	I_R	μA	$V_R=1200V, T_j=25^{\circ}C$	3	20
			$V_R=1200V, T_j=175^{\circ}C$	19	-
Total capacitive charge	Q_C	nC	$V_R=800V, T_j=25^{\circ}C$, $Q_C = \int_0^{V_R} C(V)dV$	91	-
Total capacitance	C	μF	$V_R=0V, f=1MHZ$	1280	-
			$V_R=400V, f=1MHZ$	87	-
			$V_R=800V, f=1MHZ$	64	-
Capacitance Stored Energy	E_C	μJ	$V_R=800V$	23	-

Thermal Characteristics $T_a=25$ Unless otherwise specified

PARAMETER	SYMBOL	UNIT	VALUE
Thermal resistance	R_{J-C}	$^{\circ}C/W$	0.88

Typical Characteristics

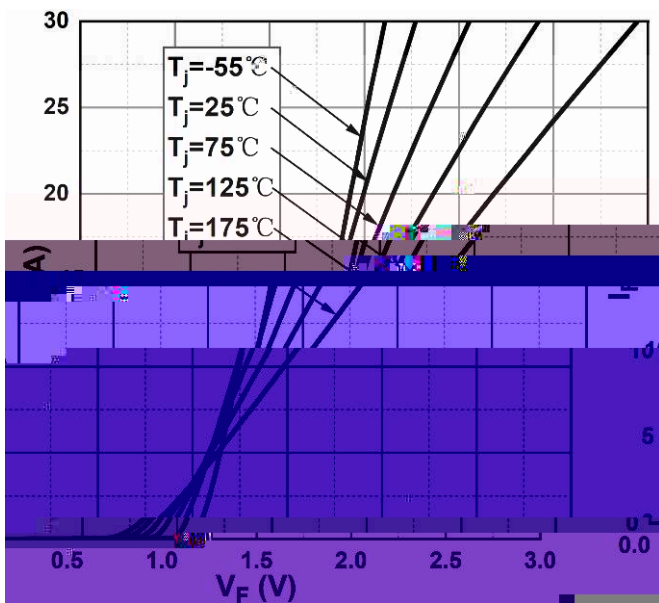


Figure 1. Forward Characteristics

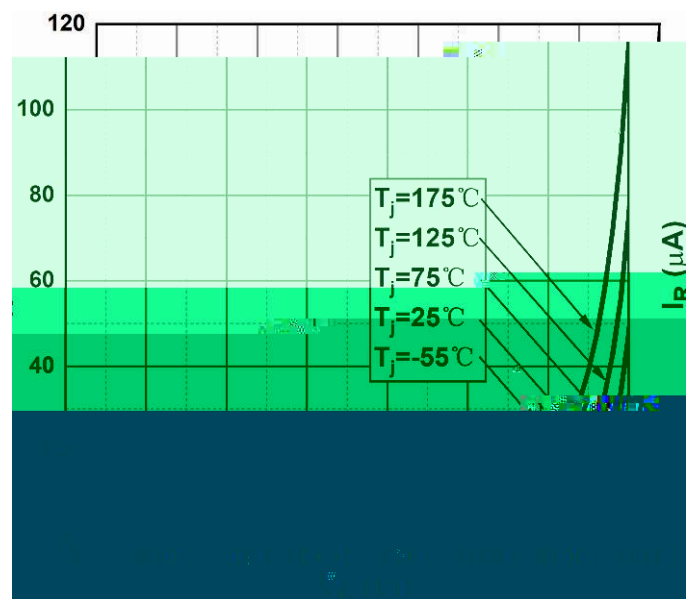


Figure 2. Reverse Characteristics



Figure 3. Capacitance vs. Reverse Voltage

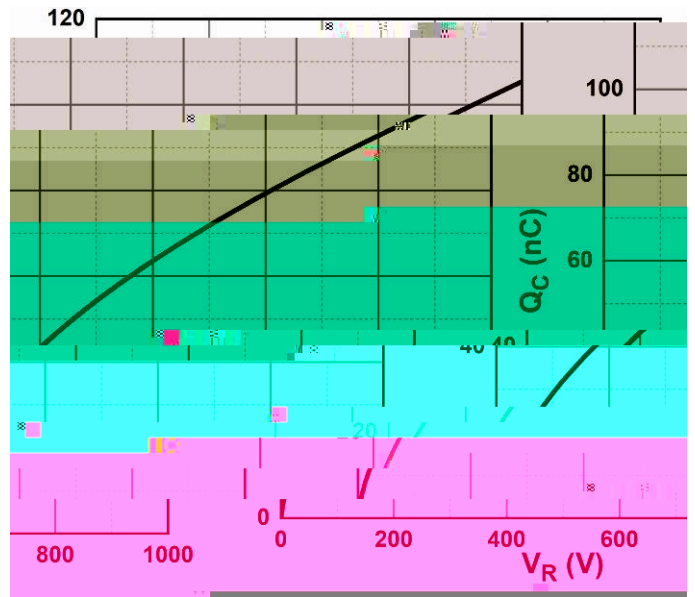


Figure 4. Total Capacitance Charge vs. Reverse Voltage

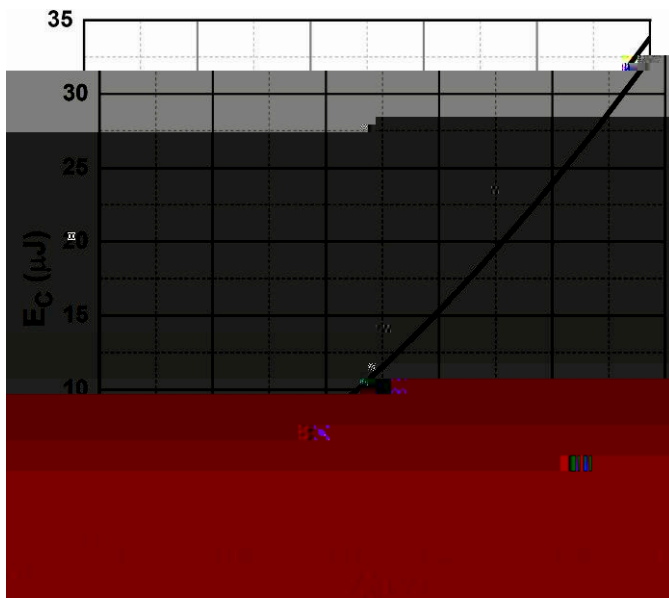


Figure 5. Capacitance Stored Energy

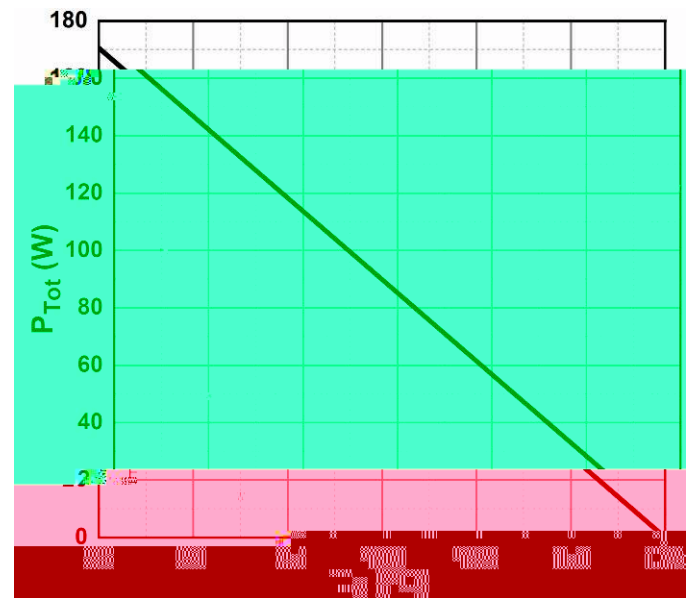


Figure 6. Power Derating

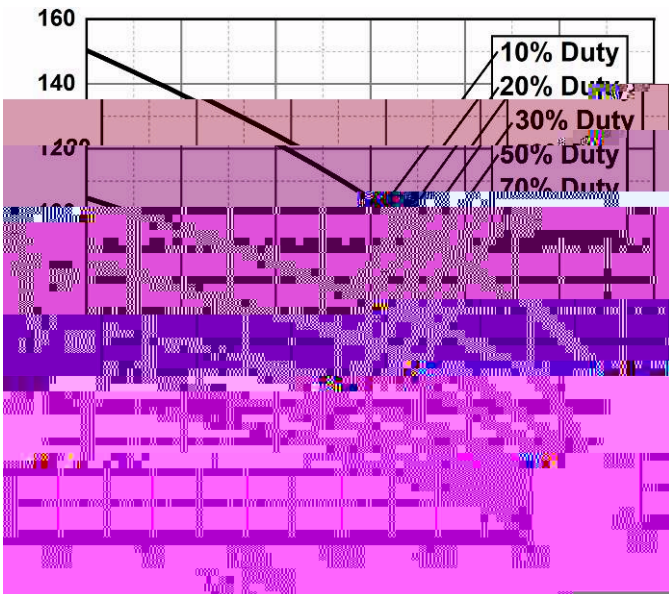


Figure 7. Current Derating

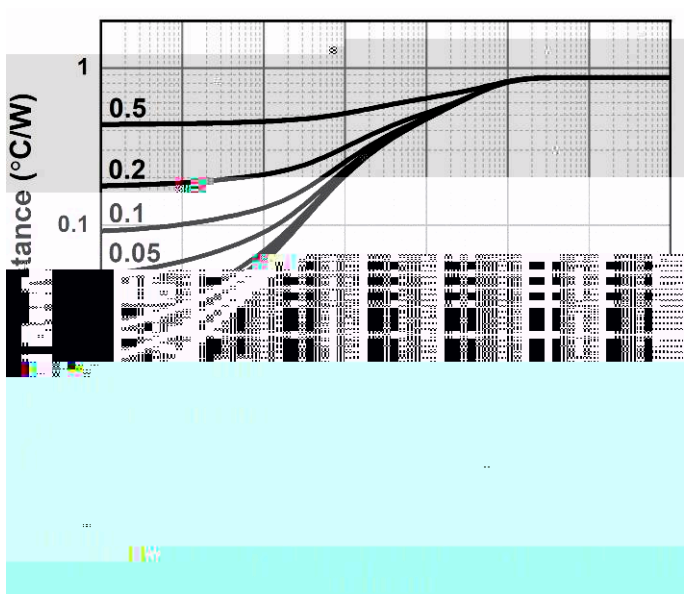
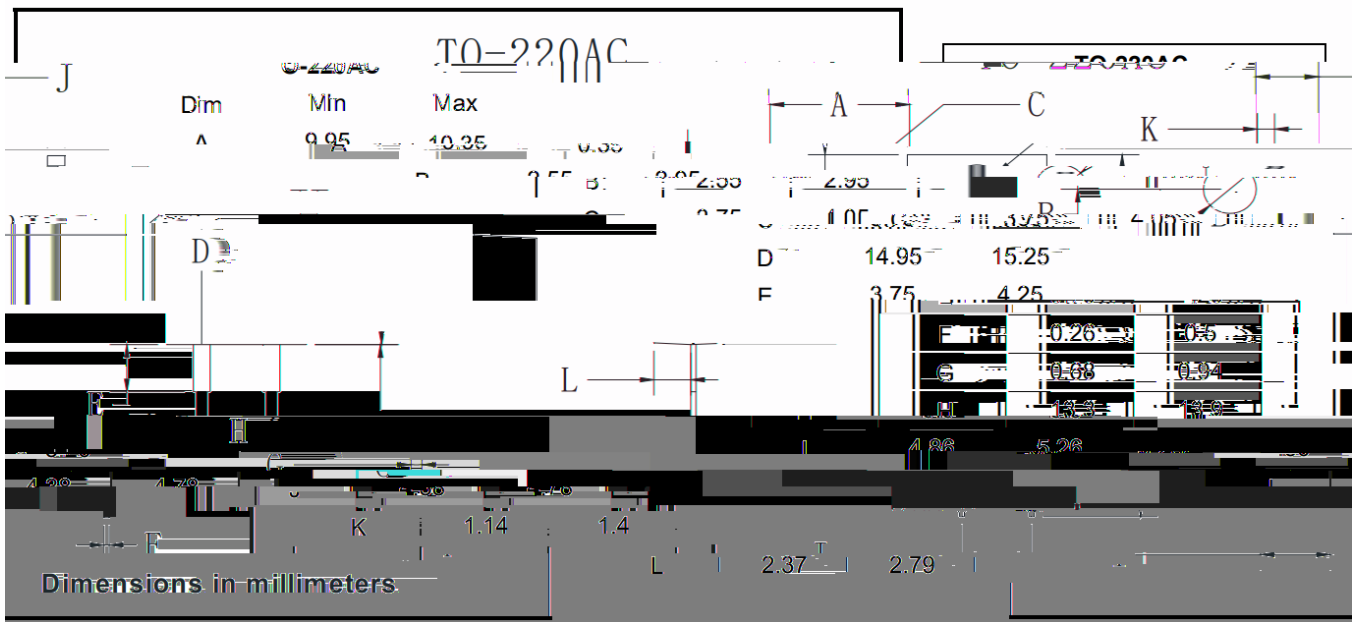


Figure 8. Transient Thermal Impedance



Outline Dimensions





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