e coefficient endent switching emperature at 175 °C d zero reverse recovery current ery current hing losses ink requirements ration

re in power factor correction(PFC), solar le power supply, motor drives, photovoltaic nd charger.

ied leads d

D112005FG1	
1200	
1200	
1200	
10	
5	
4.5	
52	
31	
13	
13	
-55 to +175	

Т

Forward voltage drop	V _F	v	I _F =5A, T _j =25°C	1.4	1.57
			I _F =5A, T _j =175°C	2.0	-
Reverse leakage current	I _R		V _R =1200V, T _j =25°C	1.8	16
			V _R =1200V, T _j =175°C	10	-
Total capacitive charge	Qc	nC	$V_R=800V, T_j=25^{\circ}C, 0^{VR}C(V)dV$	37	
Total capacitance	С	pF	V _R =0V, f=1MHZ	410	-
			V _R =400V, f=1MHZ	35	-
			V _R =800V, f=1MHZ	27	-
Capacitance Stored Energy	Ec		V _R =800V	10	-

Ta=25 Unless otherwise specified

Thermal resistance	R _{-c}	°CW	4.8

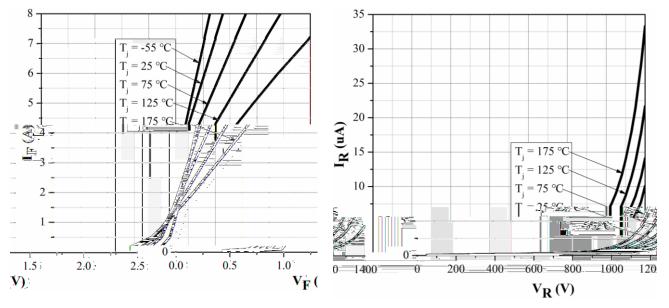


Figure 1. Forward Characteristics

Figure 2. Reverse Characteristic

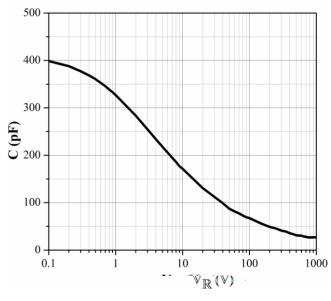
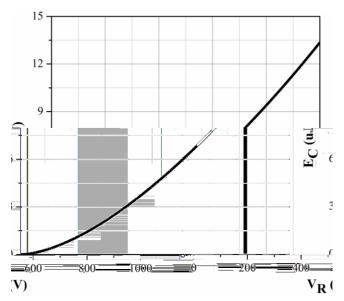
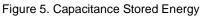
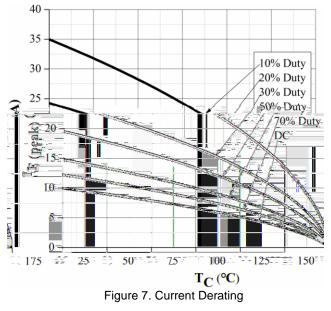


Figure 3. Capacitance vs. Reverse Voltage







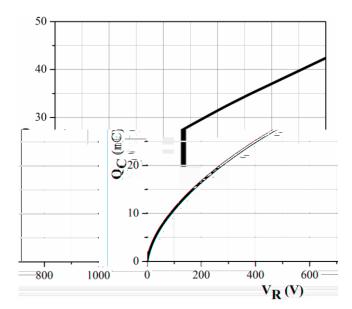
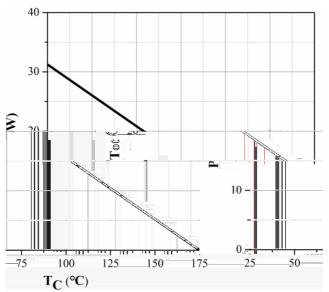
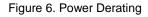
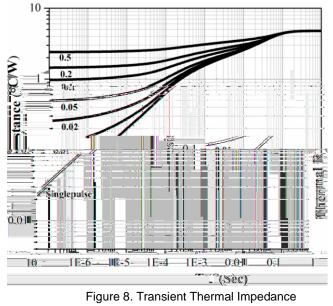


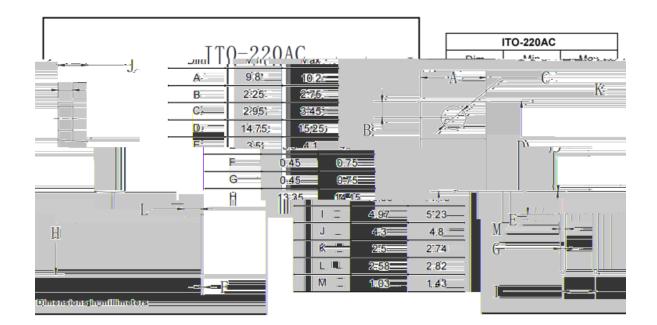
Figure 4. Total Capacitance Charge vs. Reverse Voltage







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