Qualification Information†

Qualification Level		Automotive (per AEC-Q101) ††	
		This part number(s) passed Automotive qualification. IR's Industrial and Consumer qualification level is granted by extension of the higher Automotive level.	
Moisture Sensitivity Level		TO-247AC	N/A
ESD	Machine Model	Class M3 AEC-Q101-002	
	Human Body Model	Class H2 AEC-Q101-001	
	Charged Device Model	Class C4 AEC-Q101-005	
RoHS Compliant		Yes	

† Qualification standards can be found at International Rectifier's web site: http//www.irf.com/

†† Highest passing voltage.

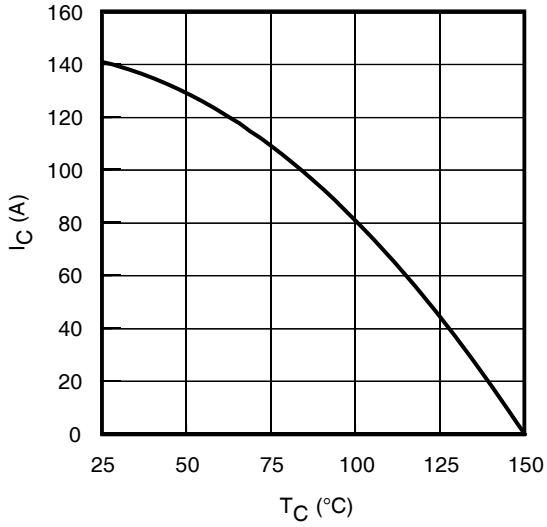

Fig. 1 - Maximum DC Collector Current vs. Case Temperature

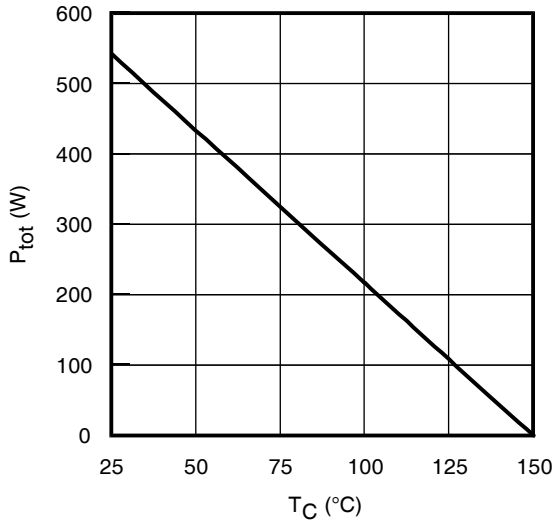

Fig. 2 - Power Dissipation vs. Case Temperature

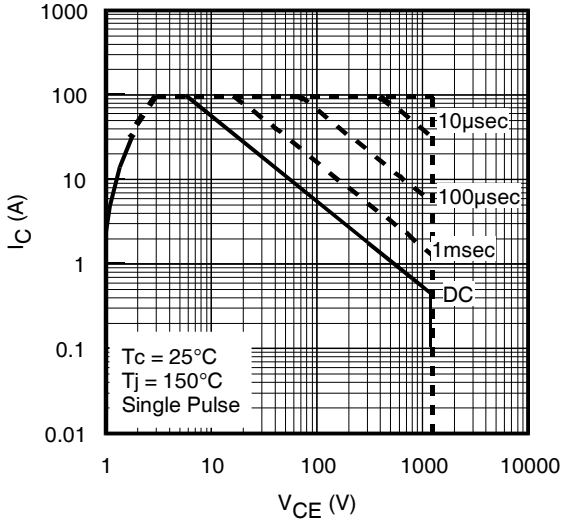

Fig. 3 - Forward SOA
T_C = 25°C, $T_J \leq$ 150°C; V_{GE} =15V

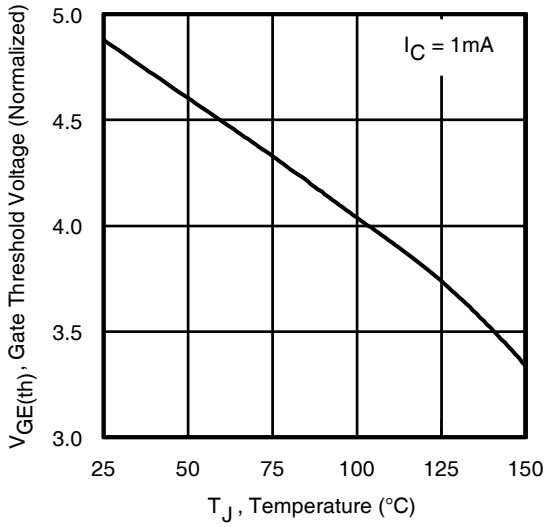

Fig. 4 - Typical Gate Threshold Voltage (Normalized) vs. Junction Temperature

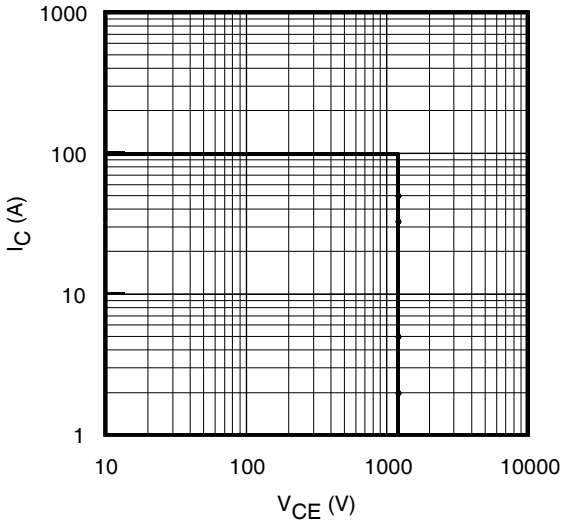

Fig. 5- Reverse Bias SOA
T_J = 150°C; V_{GE} = 20V

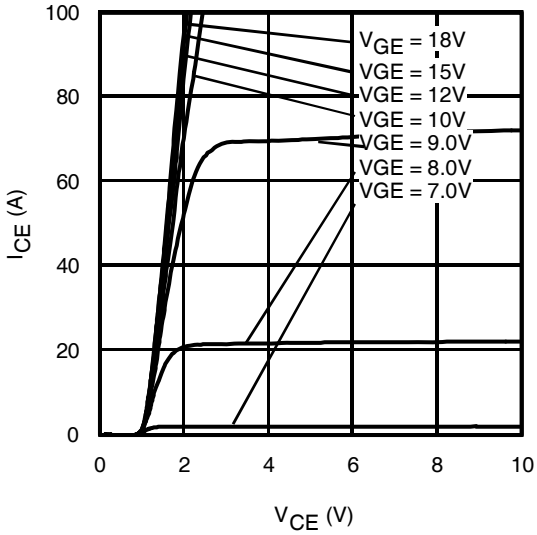

Fig. 6 - Typ. IGBT Output Characteristics
T_J = -40°C; tp = 20µs

