

Peak Pulse Power Dissipation (Note 1, 2 Fig. 1)	P _{PPM}	Minimum 300		Watts
Steady State Power Dissipation at T _L =75 ^o C	P _{M(AV)}	1.0		Watts
Stand-off Voltage	V _{WM}	477	495	V
Typical Thermal resistance Junction-to-lead	$R \theta JL$	27		°C/W
Typical Thermal Resistance Junction-to-ambient	$R \theta JA$	75		°C/W
Operating and Storage Temperature Range	T _J , T _{STG}	-55 to + 150		°C

Electrical Characteristics

Type Number	Symbol	SMAJ530	SMAJ550	Units
Minimum Breakdown Voltage at 100uA	V _(BR)	530	550	V
Max. Clamping Voltage at 400mA, 10/1000uS-Waveform	Vc	760		V
Maximum DC Reverse Leakage Current at V_{WM}	I _D	5.0		uA
Typical Temperature Coefficient of VBR		650		mV°C
Typical Capacitance (Note 3) at 0V 200V	CJ	90 7.5		pF

Notes: 1. Non Repetitive Current Pulse per Fig. 3 and Derated above 25° C per Fig. 2.

2. Peak Pulse Power Waveform is 10 / 1000uS.

3. Measured at 1MHz.



RATINGS AND CHARACTERISTIC CURVES (SMAJ530 THRU SMAJ550)

FIG.1- PEAK PULSE POWER RATING CURVE

FIG.2- PULSE DERATING CURVE

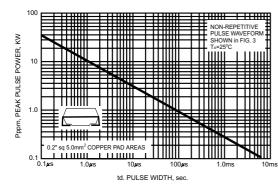


FIG.3- PULSE WAVEFORM

