

T6ARS3505M THRU **T6ARS3507M**

TRANSIENT VOLTAGE SUPPRESSORS **GPP BRIDGE RECTIFIER**

VOLTAGE RANGE 600 to 1000 Volts CURRENT 35 Amperes

FEATURES

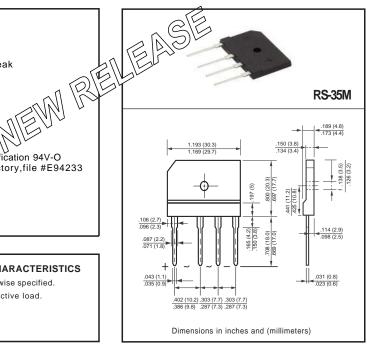
- * Low leakage
- * Low forward voltage
- * Surge overload rating: 300 amperes peak
- * Mounting position: Any
- * Ideal for printed circuit boards
- * High forward surge current capability

MECHANICAL DATA

- * Epoxy: Device has UL flammability classification 94V-O
- * UL list the recognized component directory,file #E94233



Ratings at 25 $^{\circ}\text{C}$ ambient temperature unless otherwise specified. Single phase, half wave, 60 Hz, resistive or inductive load. For capacitive load, derate current by 20%.



MAXIMUM RATINGS (@ TA=25 °C unless otherwise noted)

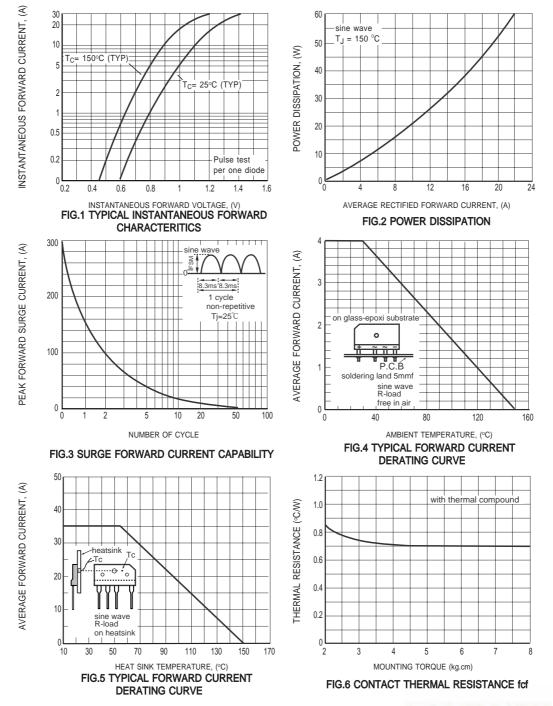
RATINGS	SYMBOL	T6ARS3505M	T6ARS3506M	T6ARS3507M	UNITS
Maximum Recurrent Peak Reverse Voltage	V _{RRM}	600	800	1000	Volts
Maximum RMS Voltage	V _{RMS}	420	560	700	Volts
Maximum DC Blocking Voltage	V _{DC}	600	800	1000	Volts
Maximum Average Forward Rectified Current at T _C = 55°C (With Heat-sink)	Io	35			Amps
Peak Forward Surge Current 8.3 ms single half sine-wave superimposed on rated load (JEDEC method)	I _{FSM}	300			Amps
Peak Power Dissipation at T _A =25°C,T _P =1mS (Note 1)	P _{PPM}	Maximum 600			Watts
Breakdown Voltage Range at I _T =1mA	V _{BR}	380 ~ 420			Volts
Maximum Peak Pulse Current	I _{PPM}	1.1			Amps
Maximum Clamping Voltage at I _{PPM} =1.1A	Vc	548			Volts
Operating and Storage Temperature Range	T _J , T _{STG}	-55 to + 150			٥C

ELECTRICAL CHARACTERISTICS(@TA=25 °C unless otherwise noted)

CHARACTERISTICS		SYMBOL	T6ARS3505M	T6ARS3506M	T6ARS3507M	UNITS
Maximum Instantaneous Forward Voltage at 17.5A DC		V _F	1.1			Volts
Maximum DC Reverse Current at Rated DC Blocking Voltage @T _A = 25°C @T _A = 100°C	@T _A = 25°C	- I _R	5.0			uAmps
	@T _A = 100°C		200			

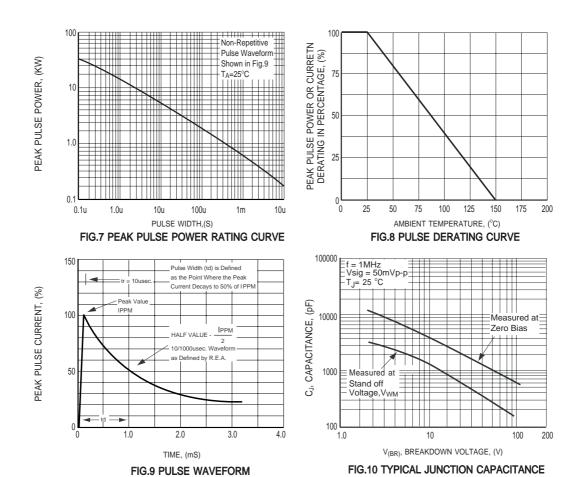
NOTES: 1. Non-repetitive current pulse, per Fig.8 and derated above T_A=25°C per Fig.7.
2. "Fully ROHS compliant", "100% Sn plating (Pb-free)".

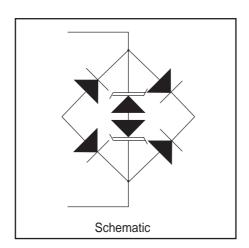
RATING AND CHARACTERISTICS CURVES (T6ARS3505M THRU T6ARS3507M)





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