

TRANSIENT VOLTAGE SUPPRESSORS **GPP BRIDGE RECTIFIER**

VOLTAGE RANGE 600 to 1000 Volts CURRENT 4.0 Amperes

FEATURES

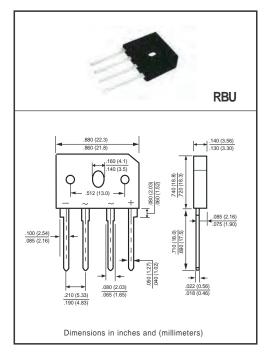
- * Ideal for printed circuit board
- * Surge overload rating: 130 amperes peak
- * Mounting position: Any

MECHANICAL DATA

* Epoxy: Device has UL flammability classification 94V-O

MAXIMUM RATINGS AND ELECTRICAL CHARACTERISTICS Ratings at 25 °C ambient temperature unless otherwise specified.

Single phase, half wave, 60 Hz, resistive or inductive load.



2010-05 REV:0

T4ARBU405M

THRU

T4ARBU407M

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

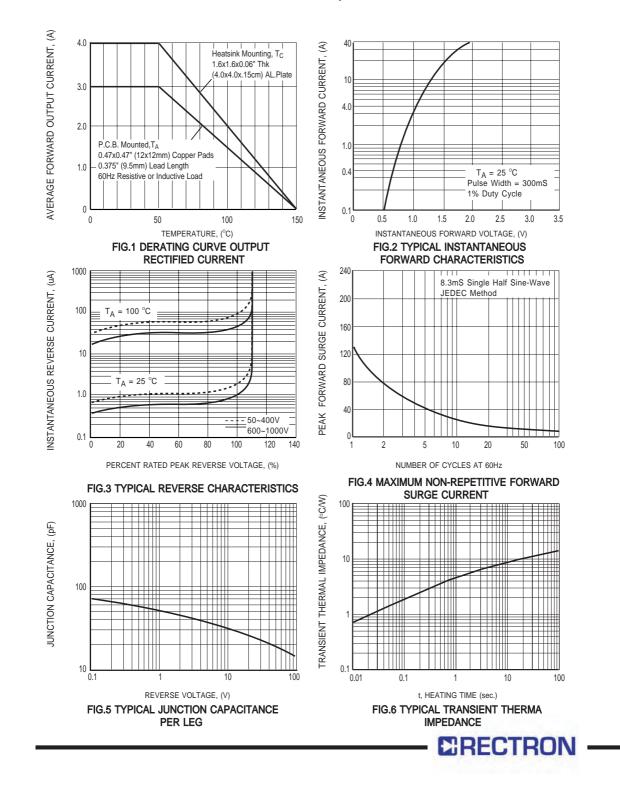
For capacitive load, derate current by 20%.

SYMBOL	T4ARBU405M	T4ARBU406M	T4ARBU407M	UNITS
VRRM	600	800	1000	Volts
V _{RMS}	420	560	700	Volts
V _{DC}	600	800	1000	Volts
lo	4.0			Amps
IFSM	130			Amps
l ² t	70		A ² /Sec	
P _{PPM}	Maximum 400			Watts
VBR	380~ 420		Volts	
I _{PPM}	0.73		Amps	
Vc	548		Volts	
CJ	40		pF	
TJ, TSTG	-55 to + 150			°C
	VRRM VRMS VDC IO IFSM I ² t PPPM VBR IPPM VC CJ	VRRM 600 VRMS 420 VDC 600 IO IFSM I ² t PPPM VBR IPPM VC CJ	V _{RRM} 600 800 V _{RMS} 420 560 V _{DC} 600 800 Io 4.0 4.0 IFSM 130 1 I ² t 70 70 PPPM Maximum 400 VBR VC 548 248 CJ 40 40	VRRM 600 800 1000 VRMS 420 560 700 VDC 600 800 1000 VDC 600 800 1000 Io 4.0 4.0 4.0 IFSM 130 12 130 I ² t 70 70 70 PPPM Maximum 400 420 VBR 380~ 420 380~ 420 IPPM 0.73 73 Vc 548 240

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CHARACTERISTICS		SYMBOL	T4ARBU405M	T4ARBU406M	T4ARBU407M	UNITS
Maximum Instantaneous Forward Voltage at 4.0A DC		VF	1.1			Volts
	@T _A = 25°C	– I _R		5.0		
	@T _A = 125°C			500		uAmps

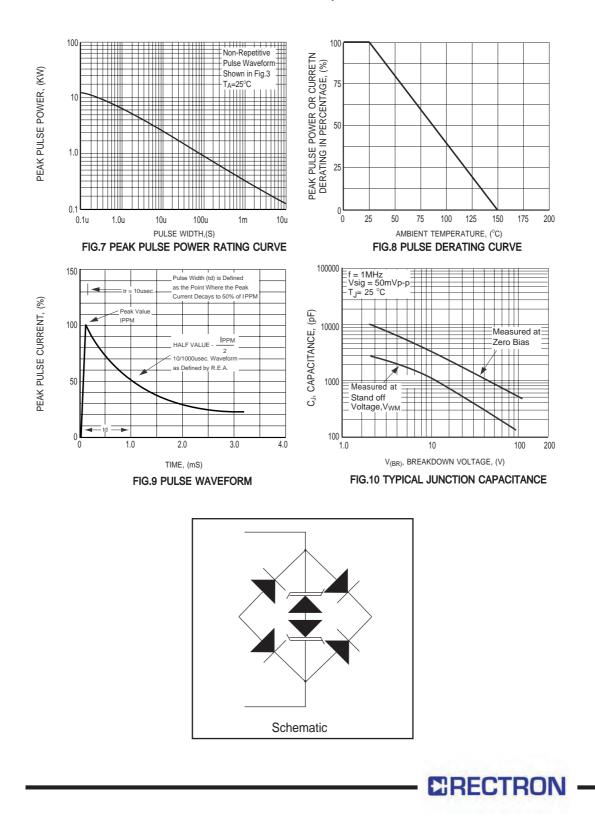
1. Non-repetitive current pulse, per Fig.8 and derated above $T_A{=}25^\circ\text{C}$ per Fig.7. 2. "Fully ROHS compliant", "100% Sn plating (Pb-free)". 3. Measured at 1MHz and applied reverse voltage of 4.0 voltage. NOTES :

4. Available in Halogen-free epoxy by adding suffix -HF after the part nbr.



RATING AND CHARACTERISTICS CURVES (T4ARBU405M THRU T4ARBU407M)

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