

RECTIFIERS ISOLATED HIGH CURRENT 70nS•150nS•3000nS RECOVERY

LTI 102	LTI 102F	LTI 102UF
LTI 104	LTI 104F	LTI 104UF
LTI 106	LTI 106F	LTI 106UF
LTI 108	LTI 108F	LTI 108UF
LTI 110	LTI 110F	LTI 110UF

$V_{RWM} = 200-1000V$
 $I_F = 15A$

VOLTAGE MULTIPLIERS INC

Assemblies available with diodes screened to JANTX or JANTXV. Consult sales office.



ELECTRICAL CHARACTERISTICS AND MAXIMUM RATINGS

Part Number	Working Reverse Voltage (V _{rwm})	Average Rectified Current (I _o)		Reverse Current @ VRWM (I _r)		Forward Voltage (V _f)		1 Cycle Surge Current tp=8.3mS (I _{fsm})	Repetitive Surge Current (I _{frm})	Reverse Recovery Time (1) (T _{rr})	Thermal Impedance (2) (J-C)
		55°C	100°C	25°C	100°C	25°C	Amps	25°C	25°C	25°C	°C/W
		Amps	Amps	µA	µA	Volts		Amps	Amps	Nano Sec	
LTI102	200	15.0	10.0	1.0	20	1.1	9.0	150	25	3000	3
LTI104	400	15.0	10.0	1.0	20	1.1	9.0	150	25	3000	3
LTI106	600	15.0	10.0	1.0	20	1.1	9.0	150	25	3000	3
LTI108	800	15.0	10.0	1.0	20	1.2	9.0	150	25	3000	3
LTI110	1000	15.0	10.0	1.0	20	1.2	9.0	150	25	3000	3
LTI102F	200	15.0	10.0	1.0	20	1.5	9.0	150	25	150	3
LTI104F	400	15.0	10.0	1.0	20	1.5	9.0	150	25	150	3
LTI106F	600	15.0	10.0	1.0	20	1.5	9.0	150	25	150	3
LTI108F	800	15.0	10.0	1.0	20	1.8	9.0	150	25	150	3
LTI110F	1000	15.0	10.0	1.0	20	1.8	9.0	150	25	150	3
LTI102UF	200	12.0	8.0	1.0	20	1.7	9.0	150	25	70	3
LTI104UF	400	12.0	8.0	1.0	20	1.7	9.0	150	25	70	3
LTI106UF	600	12.0	8.0	1.0	20	1.7	9.0	150	25	70	3
LTI108UF	800	12.0	8.0	1.0	20	2.1	9.0	150	25	70	3
LTI110UF	1000	12.0	8.0	1.0	20	2.1	9.0	150	25	70	3

Notes:

(1) T_{rr} measured on diodes prior to assembly.
I_F=0.5A, I_R=1.0A,
IRR=0.25A

(2) Operating Temperature

-65°C to +150°C

Storage Temperature

-65°C to +175°C

Isolation Voltage: 2000V (terminals to case)

Screening available.

(See Appendix D)

Contact our Applications Engineering Dept. for custom configurations.

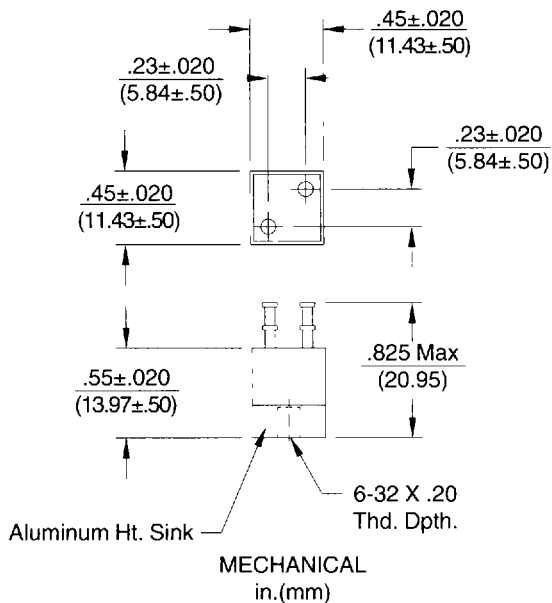


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Visalia, CA., 93291

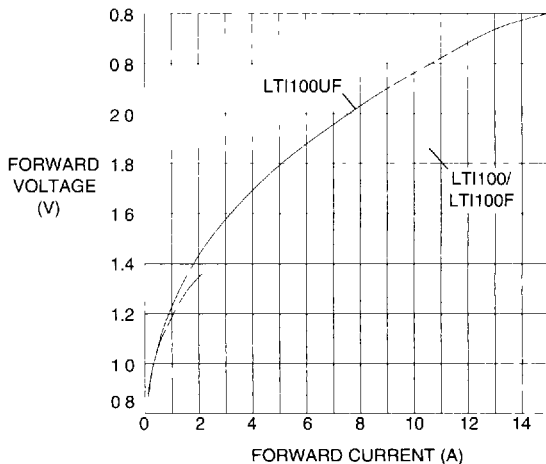
Tel. 209-651-1402
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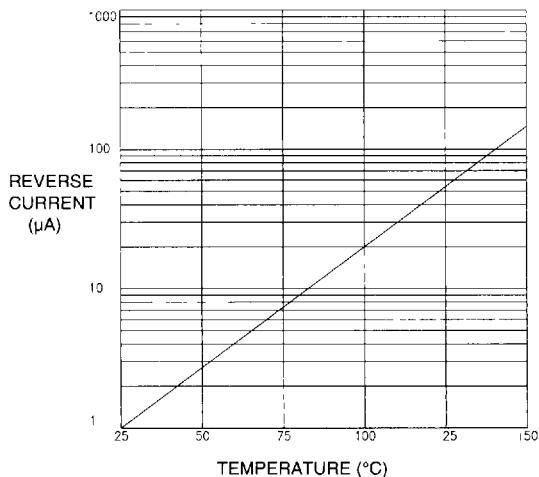
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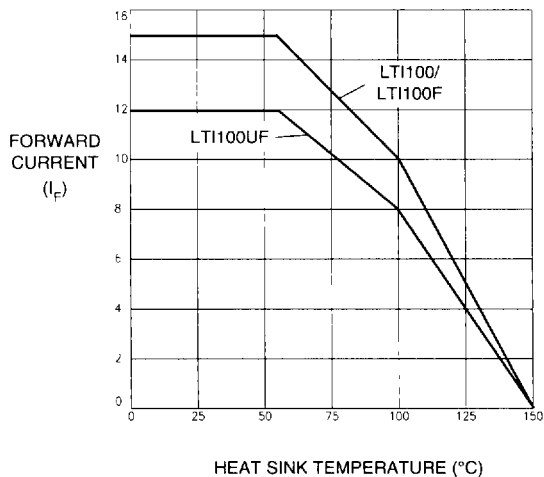
TYPICAL
FORWARD VOLTAGE VS.
FORWARD CURRENT
AT 25°C



TYPICAL
REVERSE CURRENT VS. TEMPERATURE
AT PIV



MAXIMUM
FORWARD CURRENT VS. HEAT SINK
TEMPERATURE



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