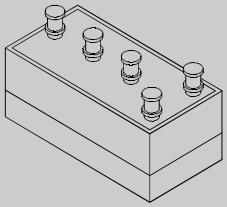
200 V - 1,000 V Three Phase Bridge

30.0 A - 40.0 A Forward Current
70 ns - 3000 ns Recovery Time

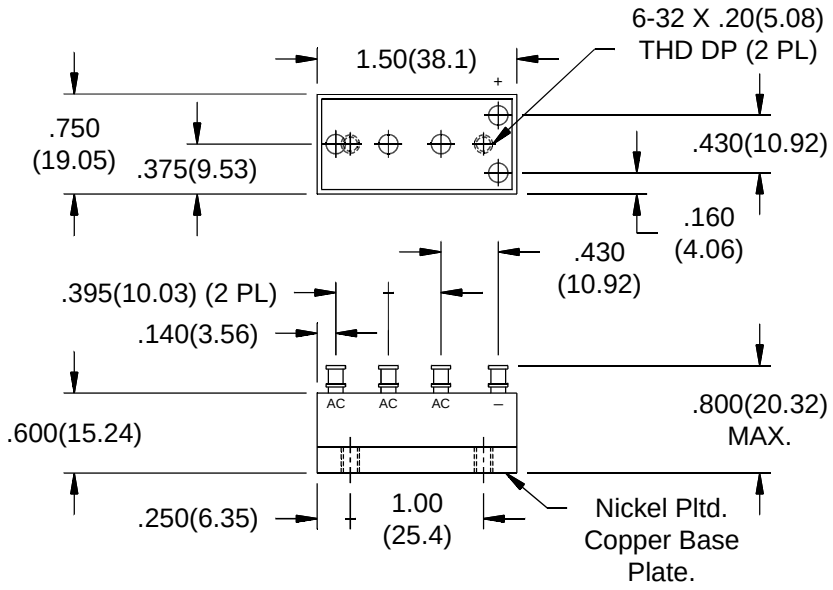
LTI602 - LTI610
LTI602F - LTI610F
LTI602UF - LTI610UF

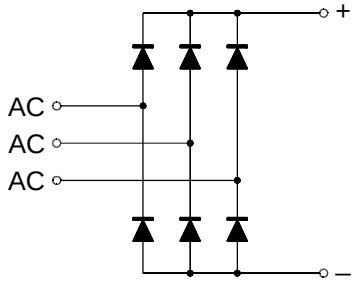


ELECTRICAL CHARACTERISTICS AND MAXIMUM RATINGS

Part Number	Working Reverse Voltage (Vrwm)	Average Rectified Current @TC (Io)		Reverse Current @ Vrwm (Ir)		Forward Voltage (Vf)		1 Cycle Surge Current tp=8.3ms (Ifsm)	Repetitive Surge Current (Ifrm)	Reverse Recovery Time (1) (Trr)	Thermal Impd. θ_{J-C}
		55°C	100°C	25°C	100°C	25°C		25°C	25°C	25°C	
	Volts	Amps	Amps	µA	µA	Volts	Amps	Amps	Amps	ns	°C/W
LTI602	200	40.0	28.0	1.0	25	1.1	9.0	150	25	3000	0.75
LTI606	600	40.0	28.0	1.0	25	1.1	9.0	150	25	3000	0.75
LTI610	1000	40.0	28.0	1.0	25	1.2	9.0	150	25	3000	0.75
LTI602F	200	40.0	28.0	1.0	25	1.5	9.0	100	25	150	0.75
LTI606F	600	40.0	28.0	1.0	25	1.5	9.0	100	25	150	0.75
LTI610F	1000	40.0	28.0	1.0	25	1.6	9.0	100	25	150	0.75
LTI602UF	200	30.0	21.0	1.0	25	1.7	9.0	100	25	70	0.75
LTI606UF	600	30.0	21.0	1.0	25	1.7	9.0	100	25	70	0.75
LTI610UF	1000	30.0	21.0	1.0	25	2.1	9.0	100	25	70	0.75

(1)Trr Testing: If=0.5A, Ir=1.0A, Irr=0.25A *Op. Temp. & Stg. Temp. = -55°C to +150°C Isolation Voltage: 2000V



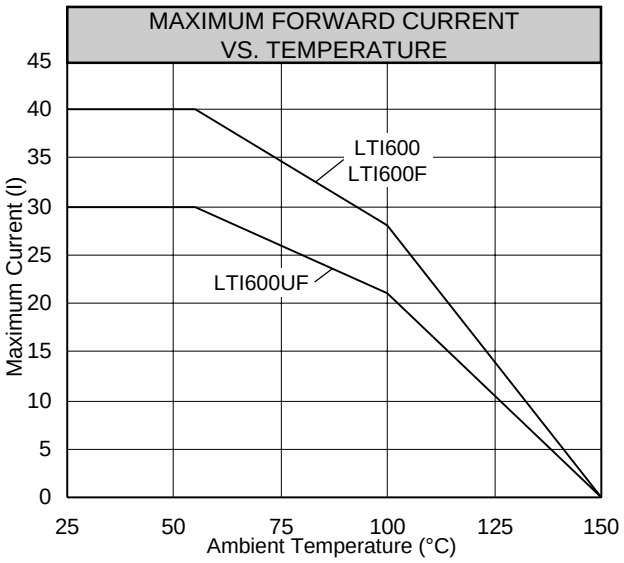


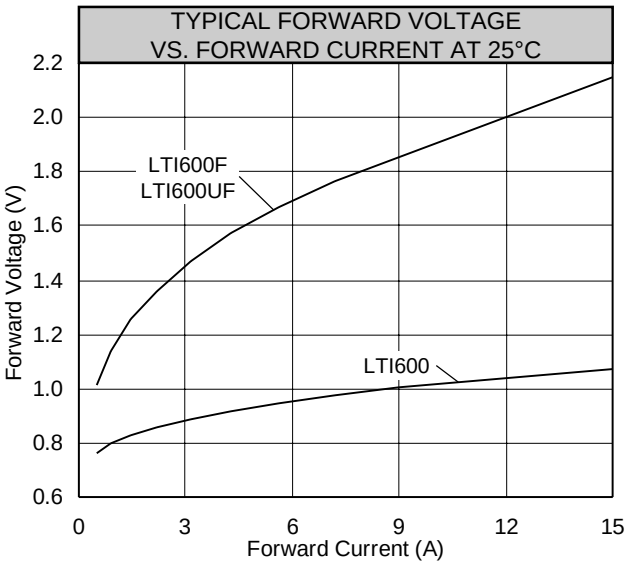
11

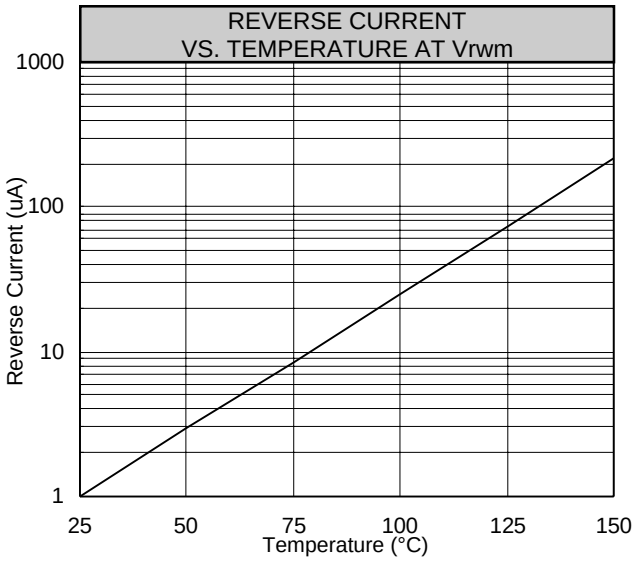
Dimensions: In. (mm) • All temperatures are ambient unless otherwise noted. • Data subject to change without notice.

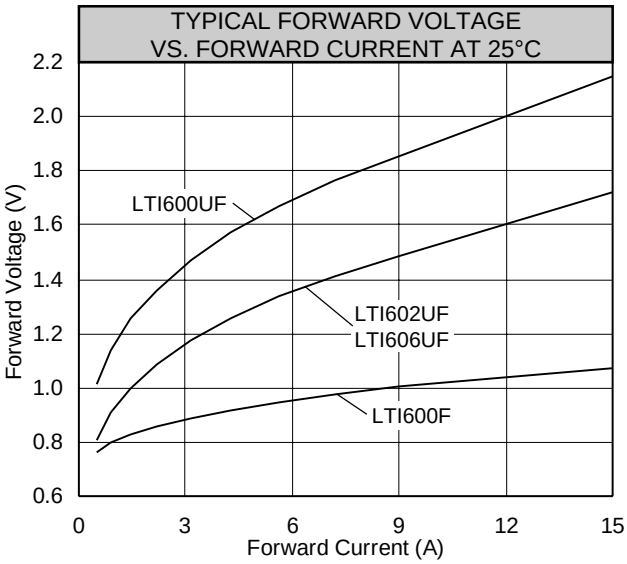
VOLTAGE MULTIPLIERS INC.
8711 W. Roosevelt Ave.
Visalia, CA 93291

TEL 559-651-1402
FAX 559-651-0740
www.voltagemultipliers.com


MAXIMUM FORWARD CURRENT
VS. TEMPERATURE
Maximum Current (I)
45
40
35
30
25
20
15
10
5
0
25
50
75
100
125
150
Ambient Temperature (°C)
LTI600
LTI600F
LTI600UF


TYPICAL FORWARD VOLTAGE
VS. FORWARD CURRENT AT 25°C
Forward Voltage (V)
2.2
2.0
1.8
1.6
1.4
1.2
1.0
0.8
0.6
0
3
6
9
12
15
Forward Current (A)
LTI600F
LTI600UF
LTI600


REVERSE CURRENT
VS. TEMPERATURE AT Vrwm
Reverse Current (uA)
1000
100
10
1
25
50
75
100
125
150
Temperature (°C)


TYPICAL FORWARD VOLTAGE
VS. FORWARD CURRENT AT 25°C
Forward Voltage (V)
2.2
2.0
1.8
1.6
1.4
1.2
1.0
0.8
0.6
0
3
6
9
12
15
Forward Current (A)
LTI600UF
LTI602UF
LTI606UF
LTI600F