

Gas Discharge Tubes

High Performance Beta Range

RoHS Greentube™ SL1021B Series Gas Plasma Arresters



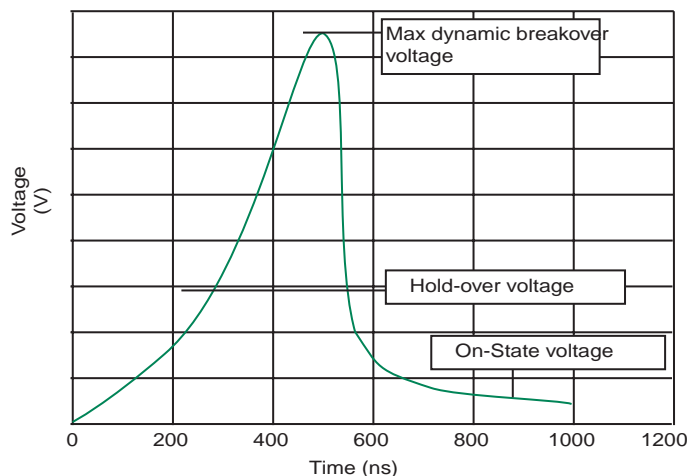
LITTELFUSE 3 TERMINAL HEAVY DUTY ARRESTER SERIES
TOTALLY NON-RADIOACTIVE, UL RECOGNIZED

Part Number	DC Voltage @ 100V/sec (V)	DC Breakover Voltage Min-Max (V)	Max Dynamic Breakover Voltage @ 100V/μs	Max Alternating Discharge Current ^{1,3,6} (A)	Max Alternating Discharge Current ⁵ (A)	Max Repetitive Impulse Discharge Current (kA)	Max Impulse Discharge Current (kA)	Max Single Impulse Discharge Current 10/350μs ^{5,6} (kA)	Life Test Rating ²
SL1021B145	145	116-174	500	20	10	10	20	2.5	100 shots
SL1021B150	150	120-180	500	20	10	10	20	2.5	100 shots
SL1021B200	200	150-250	350	20	10	10	20	2.5	100 shots
SL1021B230	230	184-276	350	20	10	10	20	2.5	100 shots
SL1021B250	250	200-300	400	20	10	10	20	2.5	100 shots
SL1021B260	260	210-310	420	20	10	10	20	2.5	100 shots
SL1021B300	350	240-360	450	20	10	10	20	2.5	100 shots
SL1021B350	350	280-420	500	20	10	10	20	2.5	100 shots
SL1021B400	400	320-480	550	20	10	10	20	2.5	100 shots
SL1021B420	420	345-500	600	20	10	10	20	2.5	100 shots
SL1021B450	450	360-540	650	20	10	10	20	2.5	100 shots
SL1021B500	500	400-500	750	20	10	10	20	2.5	100 shots

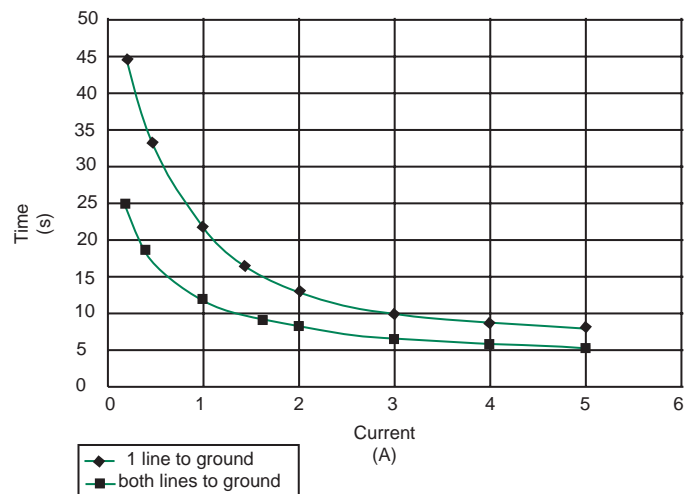
GAS DISCHARGE TUBES

- (1) Total current through center (ground) electrode, both line electrodes pulsed simultaneously; half value through respective line terminal to ground.
- (2) 100 amps, 10/1000μS pulse
- (3) 10 shots, A.C. 60 Hz, 1sec. Duration.
- (4) 10 shots, 8/20μS waveform
- (5) either end (line) electrode to centre (ground) electrode
- (6) Applies to 'C' option devices mounted in a suitable connector with high pressure contacts.

Voltage vs Time Characteristic



Time vs. Current for Failsafe



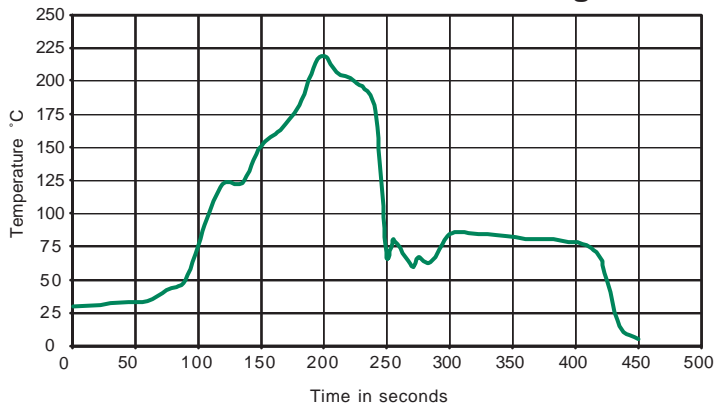
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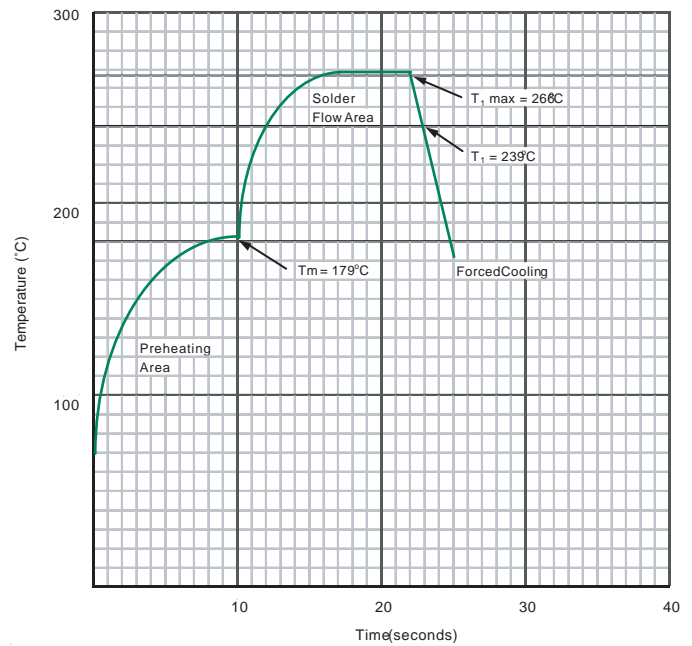
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Profile for reflow soldering



Profile for wave soldering



Notes:

$T_1 \text{ max}$ = Maximum Tab Temperature = 266°C

T_1 = Flow Temperature of Solder = 239°C

T_m = Melting Point of Solder = 179°C

T_{amb} = 25°C

Maximum permissible rate of temperature change = °C / sec