



# Gas Discharge Tubes

## Omega Range

### RoHS Greentube™ SL1024A Series Gas Plasma Arresters

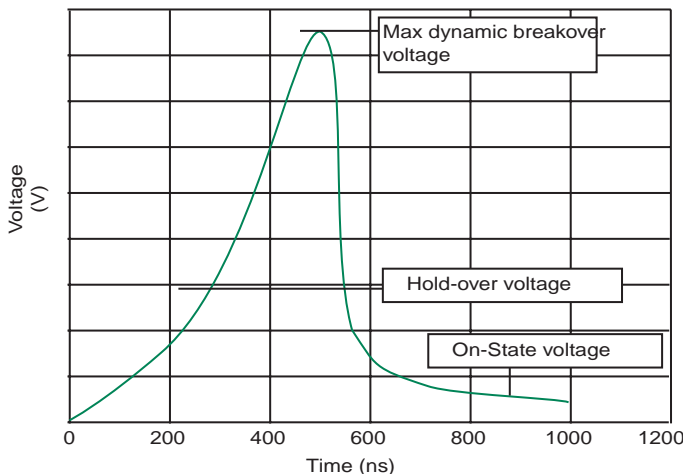


LITTELFUSE 3 TERMINAL ARRESTER SERIES  
TOTALLY NON-RADIOACTIVE, UL RECOGNIZED

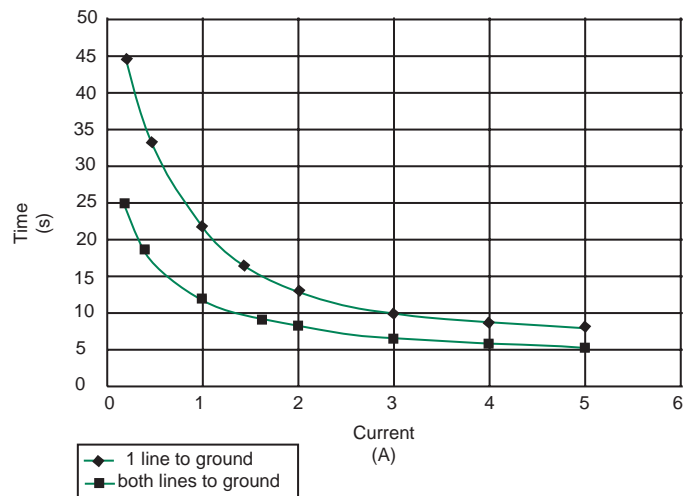
Part Number	DC Voltage(V)	DC Breakover Voltage Min-Max <sup>7</sup> @ 100V/sec (V)	Max Dynamic Breakover Voltage @ 100/μs (V)	Alternating Discharge Current <sup>1,3</sup> (A)	Max Repetitive Impulse Discharge Current (kA)	Max Single Impulse Discharge Current (kA)	Max Single Impulse Discharge Current 10/350μs <sup>5,2</sup> (kA)
SL1024A090	90	70-120	600	10	10	20	2.5
SL1024A145	145	116-174	500	10	10	20	2.5
SL1024A150	150	120-180	500	10	10	20	2.5
SL1024A230	230	184-276	350	10	10	20	2.5
SL1024A250	250	200-300	400	10	10	20	2.5
SL1024A260	260	210-310	420	10	10	20	2.5
SL1024A300	300	240-360	450	10	10	20	2.5
SL1024A350	350	280-420	500	10	10	20	2.5
SL1024A400	400	320-480	600	10	10	20	2.5
SL1024A420	420	345-500	650	10	10	20	2.5
SL1024A450	450	360-540	650	10	10	20	2.5
SL1024A500	500	400-500	700	10	10	20	2.5
SL1024A600	600	480-720	850	10	10	20	2.5

- (1) Total current through center (ground) electrode, both line electrodes pulsed simultaneously; half value through each respective line terminal.
- (2) Applies to 'C' option devices mounted in a suitable connector with high pressure contacts.
- (3) 10 shots, A.C. 60Hz, 1 sec duration.
- (4) 10 shots, 8/20μs waveform
- (5) either end (line) electrode to center (ground) electrode
- (6) Meets the requirements of BT Type 14A. Addition of 'F' (failsafe) option meets the requirements of BT type number 14A/1.

**Voltage vs Time Characteristic**



**Time vs. Current for Failsafe**



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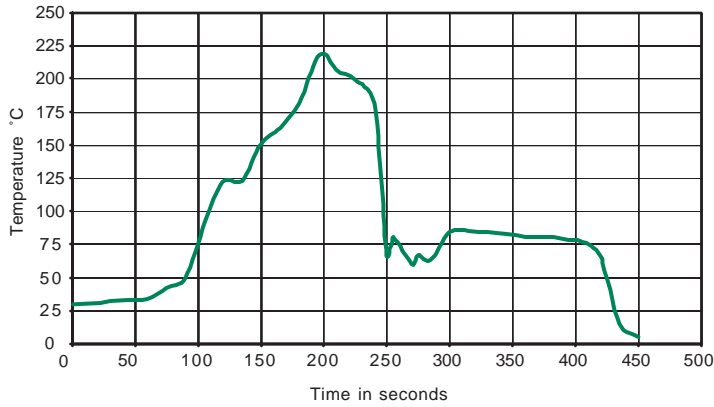
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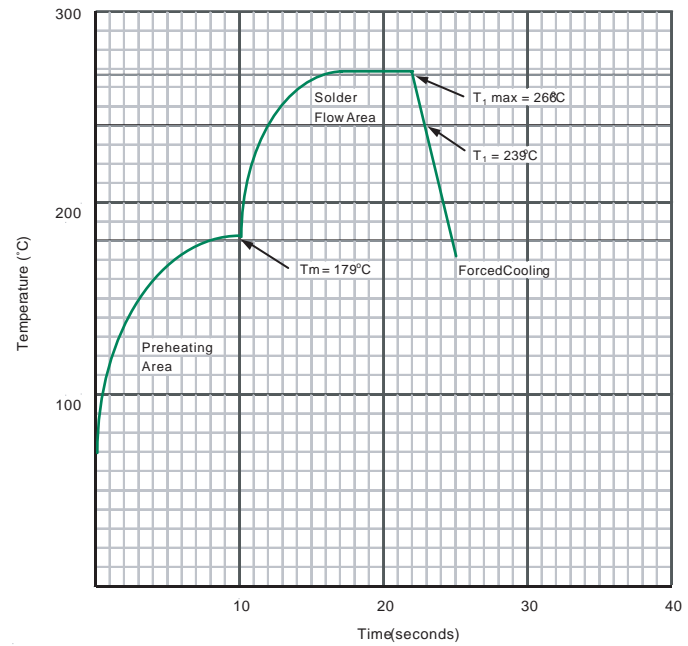
## Greentube™ SL1024A Series Gas Plasma Arresters



**Profile for reflow soldering**



**Profile for wave soldering**



**Notes:**

- T<sub>1 max</sub> = Maximum Tab Temperature = 266°C
- T<sub>1</sub> = Flow Temperature of Solder = 239°C
- T<sub>m</sub> = Melting Point of Solder = 179°C
- T<sub>amb</sub> = 25°C

1. Maximum permissible rate of temperature change = °C / sec
2. Not for RF style devices

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