

THIN-FILM SURFACE MOUNT

SlimLine 0603 IC Protector 494 Series



- The SlimLine 0603 IC Protector is a low profile device designed for short circuit protection in electronic circuits.

ELECTRICAL CHARACTERISTICS:

% of Ampere Rating	Opening Time at 25°C
100%	4 hours, Minimum
200%	15 seconds, Maximum
300%	0.2 seconds, Maximum

AGENCY APPROVALS: Recognized under the Components Program of Underwriters Laboratories and Certified by CSA.

AGENCY FILE NUMBERS: UL E10480, CSA LR 29862.

INTERRUPTING RATINGS:

.25–1A 50 A @ 32 V AC/DC
 1.25–5A 35 A @ 32 V AC/DC

ENVIRONMENTAL SPECIFICATIONS:

Operating Temperature: –55°C to 90°C. Consult temperature derating chart on page 4. For operation above 90°C contact Littelfuse.

Vibration: Per MIL-STD-202F.

Insulation Resistance (After Opening): Greater than 10,000 ohms.

Resistance To Soldering Heat: Withstands 60 seconds above 200°C up to 260°C, maximum.

Thermal Shock: Withstands 5 cycles of –55°C to 125°C.

PHYSICAL SPECIFICATIONS:

Materials: Body: Epoxy Substrate
 Terminations: Copper/Nickel/Tin-Lead (95/5)
 Cover Coat: Conformal Coating

Soldering Parameters:

Reflow Solder— 260°C, 30 seconds maximum

PACKAGING SPECIFICATIONS: 8mm Tape and Reel per EIA-RS481-1 (IEC 286, part 3); 5,000 per reel, add packaging suffix, NR.

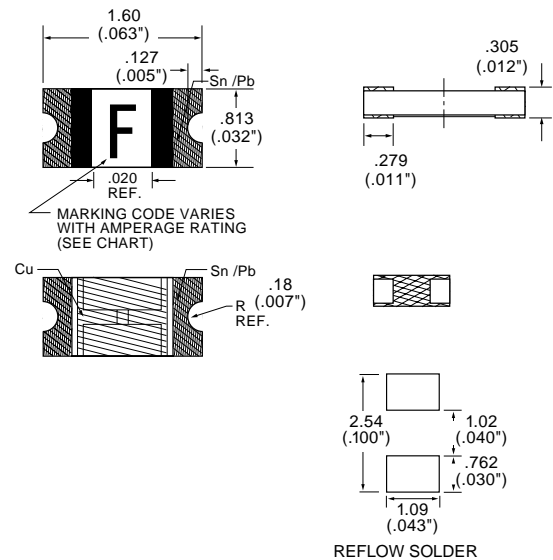
ORDERING INFORMATION:

Catalog Number	Ampere Rating	Marking Code	Voltage Rating	Nominal Resistance Cold Ohm ¹	Melting I ² t (A ² Sec.)
0494.250	.25	D	32	0.435	0.00132
0494.375	.375	E	32	0.265	0.00352
0494.500	.5	F	32	0.183	0.00676
0494.750	.75	G	32	0.110	0.0126
0494.001.	1	H	32	0.071	0.0203
0494.1.25	1.25	J	32	0.054	0.0320
0494.01.5	1.5	K	32	0.046	0.0526
0494.1.75	1.75	L	32	0.039	0.0661
0494.002.	2	N	32	0.033	0.1000
0494.02.5	2.5	O	32	0.026	0.1300
0494.003.	3	P	32	0.023	0.1640
0494.03.5	3.5	R	32	0.018	0.3020
0494.004.	4	S	32	0.016	0.3520
0494.005.	5	T	32	0.012	1.297

¹ Measured at 10% of rated current, 25°C.



Reference Dimensions:



Average Time Current Curves

