

Technical PTC Devices
 Resistor Film
Specification Sheet

Terminal Pad Solderability:
 Meets EIA Specification HS1846E
 And ANS1-STD-002 Category 3

Terminal Pad Materials:
 Tin-plated Nickel-Copper

Lead-Free, RoHS Compliant

Marking:
 Part Identification

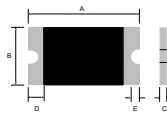


TABLE I DIMENSIONS:

Model	Marking	A		B		C	D	E
		Min.	Max.	Min.	Max.			
SL1210150		3.00	3.50	2.35	2.85	0.40	0.80	0.3 ±0.1
SL1210175		3.00	3.50	2.35	2.85	0.40	0.80	0.3 ±0.1
SL1210200		3.00	3.50	2.35	2.85	0.40	0.80	0.3 ±0.1
SL1210200-8V		3.00	3.50	2.35	2.85	0.40	0.80	0.3 ±0.1
SL1210200-12V		3.00	3.50	2.35	2.85	0.40	0.80	0.3 ±0.1
SL1210200-16V		3.00	3.50	2.35	2.85	0.40	0.80	0.3 ±0.1
SL1210210		3.00	3.50	2.35	2.85	0.40	0.80	0.3 ±0.1
SL1210230		3.00	3.50	2.35	2.85	0.40	0.80	0.3 ±0.1
SL1210250		3.00	3.50	2.35	2.85	0.40	0.80	0.3 ±0.1
SL1210250-8V		3.00	3.50	2.35	2.85	0.40	0.80	0.3 ±0.1
SL1210250-12V		3.00	3.50	2.35	2.85	0.40	1.00	0.3 ±0.1
SL1210250-16V		3.00	3.50	2.35	2.85	0.40	1.00	0.3 ±0.1
SL1210300		3.00	3.50	2.35	2.85	0.40	0.80	0.3 ±0.1
SL1210300-8V		3.00	3.50	2.35	2.85	0.40	0.80	0.3 ±0.1
SL1210300-12V		3.00	3.50	2.35	2.85	0.40	1.00	0.3 ±0.1
SL1210300-16V		3.00	3.50	2.35	2.85	0.40	1.00	0.3 ±0.1
SL1210350		3.00	3.50	2.35	2.85	0.40	1.00	0.3 ±0.1
SL1210350-8V		3.00	3.50	2.35	2.85	0.40	1.00	0.3 ±0.1
SL1210350-12V		3.00	3.50	2.35	2.85	0.50	1.10	0.3 ±0.1
SL1210350-16V		3.00	3.50	2.35	2.85	0.50	1.10	0.3 ±0.1
SL1210380		3.00	3.50	2.35	2.85	0.40	1.00	0.3 ±0.1
SL1210380-8V		3.00	3.50	2.35	2.85	0.50	1.10	0.3 ±0.1
SL1210380-12V		3.00	3.50	2.35	2.85	0.50	1.10	0.3 ±0.1
SL1210400		3.00	3.50	2.35	2.85	0.50	1.00	0.3 ±0.1
SL1210400-8V		3.00	3.50	2.35	2.85	0.50	1.00	0.3 ±0.1
SL1210400-12V		3.00	3.50	2.35	2.85	0.50	1.20	0.3 ±0.1
SL1210400-16V		3.00	3.50	2.35	2.85	0.50	1.20	0.3 ±0.1
SL1210450		3.00	3.50	2.35	2.85	0.50	1.00	0.3 ±0.1
SL1210450-8V		3.00	3.50	2.35	2.85	0.50	1.00	0.3 ±0.1
SL1210450-12V		3.00	3.50	2.35	2.85	0.50	1.20	0.3 ±0.1
SL1210450-16V		3.00	3.50	2.35	2.85	0.50	1.20	0.3 ±0.1
SL1210500		3.00	3.50	2.35	2.85	0.50	1.00	0.3 ±0.1
SL1210500-8V		3.00	3.50	2.35	2.85	0.50	1.00	0.3 ±0.1
SL1210500-12V		3.00	3.50	2.35	2.85	0.50	1.20	0.3 ±0.1
SL1210500-16V		3.00	3.50	2.35	2.85	0.50	1.20	0.3 ±0.1
SL1210550		3.00	3.50	2.35	2.85	0.50	1.00	0.3 ±0.1
SL1210550-8V		3.00	3.50	2.35	2.85	0.50	1.00	0.3 ±0.1
SL1210550-12V		3.00	3.50	2.35	2.85	0.50	1.20	0.3 ±0.1
SL1210550-16V		3.00	3.50	2.35	2.85	0.50	1.20	0.3 ±0.1
SL1210600		3.00	3.50	2.35	2.85	0.50	1.00	0.3 ±0.1
SL1210600-8V		3.00	3.50	2.35	2.85	0.50	1.00	0.3 ±0.1
SL1210600-12V		3.00	3.50	2.35	2.85	0.50	1.40	0.3 ±0.1
SL1210600-16V		3.00	3.50	2.35	2.85	0.50	1.40	0.3 ±0.1
SL1210650		3.00	3.50	2.35	2.85	0.50	1.00	0.3 ±0.1
SL1210650-8V		3.00	3.50	2.35	2.85	0.50	1.00	0.3 ±0.1
SL1210650-12V		3.00	3.50	2.35	2.85	0.50	1.20	0.3 ±0.1
SL1210650-16V		3.00	3.50	2.35	2.85	0.50	1.20	0.3 ±0.1
SL1210700		3.00	3.50	2.35	2.85	0.50	1.00	0.3 ±0.1
SL1210700-8V		3.00	3.50	2.35	2.85	0.50	1.00	0.3 ±0.1
SL1210700-12V		3.00	3.50	2.35	2.85	0.50	1.40	0.3 ±0.1
SL1210700-16V		3.00	3.50	2.35	2.85	0.50	1.40	0.3 ±0.1
SL1210750		3.00	3.50	2.35	2.85	0.50	1.00	0.3 ±0.1
SL1210750-8V		3.00	3.50	2.35	2.85	0.50	1.00	0.3 ±0.1
SL1210750-12V		3.00	3.50	2.35	2.85	0.50	1.20	0.3 ±0.1
SL1210750-16V		3.00	3.50	2.35	2.85	0.50	1.20	0.3 ±0.1
SL1210800		3.00	3.50	2.35	2.85	0.50	1.00	0.3 ±0.1
SL1210800-8V		3.00	3.50	2.35	2.85	0.50	1.00	0.3 ±0.1
SL1210800-12V		3.00	3.50	2.35	2.85	0.70	1.40	0.3 ±0.1
SL1210800-16V		3.00	3.50	2.35	2.85	0.70	1.40	0.3 ±0.1
SL1210850		3.00	3.50	2.35	2.85	0.50	1.00	0.3 ±0.1
SL1210850-8V		3.00	3.50	2.35	2.85	0.70	1.40	0.3 ±0.1
SL1210850-12V		3.00	3.50	2.35	2.85	0.50	1.60	0.3 ±0.1
SL1210850-16V		3.00	3.50	2.35	2.85	0.50	1.60	0.3 ±0.1
SL1210900		3.00	3.50	2.35	2.85	0.50	1.00	0.3 ±0.1
SL1210900-8V		3.00	3.50	2.35	2.85	0.50	1.00	0.3 ±0.1
SL1210900-12V		3.00	3.50	2.35	2.85	0.50	1.40	0.3 ±0.1
SL1210900-16V		3.00	3.50	2.35	2.85	0.50	1.40	0.3 ±0.1
SL1210950		3.00	3.50	2.35	2.85	0.50	1.00	0.3 ±0.1
SL1210950-8V		3.00	3.50	2.35	2.85	0.50	1.00	0.3 ±0.1
SL1210950-12V		3.00	3.50	2.35	2.85	0.50	1.40	0.3 ±0.1
SL1210950-16V		3.00	3.50	2.35	2.85	0.50	1.40	0.3 ±0.1
SL1211000		3.00	3.50	2.35	2.85	0.50	1.00	0.3 ±0.1
SL1211000-8V		3.00	3.50	2.35	2.85	0.50	1.00	0.3 ±0.1
SL1211000-12V		3.00	3.50	2.35	2.85	0.50	1.40	0.3 ±0.1
SL1211000-16V		3.00	3.50	2.35	2.85	0.50	1.40	0.3 ±0.1
SL1211050		3.00	3.50	2.35	2.85	0.50	1.00	0.3 ±0.1
SL1211050-8V		3.00	3.50	2.35	2.85	0.50	1.00	0.3 ±0.1
SL1211050-12V		3.00	3.50	2.35	2.85	0.50	1.40	0.3 ±0.1
SL1211050-16V		3.00	3.50	2.35	2.85	0.50	1.40	0.3 ±0.1

TABLE II PERFORMANCE RATINGS:

Model	Marking	V _{nom} (V)	L ₁ (A)	L ₂ (A)	P ₁ (W)	P ₂ (W)	Maximum Time To Trip (Sec)	Resistance R ₁ , R ₂ (Ω)	Agency Approval UL TUV
SL1210150		6	50	1.50	3.00	1.2	8.0	0.0050	00450
SL1210175		6	50	1.75	3.50	1.2	8.0	0.0050	00450
SL1210200		6	50	1.90	3.80	1.2	8.0	0.0050	00450
SL1210200-8V		6	50	2.00	4.00	1.2	8.0	0.0050	00450
SL1210200-12V		6	50	2.00	4.00	1.2	8.0	0.0040	00450
SL1210200-16V		6	50	2.00	4.00	1.2	8.0	0.0040	00450
SL1210210		6	50	2.30	4.60	1.2	8.0	0.0050	00550
SL1210230		6	50	2.30	4.60	1.2	8.0	0.0050	00300
SL1210250		6	50	2.50	5.00	1.2	8.0	0.0030	00300
SL1210250-8V		6	50	2.50	5.00	1.2	8.0	0.0030	00300
SL1210250-12V		6	50	2.50	5.00	1.2	8.0	0.0030	00300
SL1210250-16V		6	50	2.50	5.00	1.2	8.0	0.0030	00300
SL1210300		6	50	2.80	5.60	1.2	12.0	0.0050	00300
SL1210300-8V		6	50	3.00	6.00	1.2	12.0	0.0030	00300
SL1210300-12V		6	50	3.00	6.00	1.2	12.0	0.0030	00300
SL1210300-16V		6	50	3.00	6.00	1.2	12.0	0.0030	00300
SL1210350		6	50	3.50	7.00	1.2	12.0	0.0030	00300
SL1210350-8V		6	50	3.50	7.00	1.2	12.0	0.0020	00300
SL1210350-12V		6	50	3.50	7.00	1.2	12.0	0.0020	00300
SL1210350-16V		6	50	3.50	7.00	1.2	12.0	0.0020	00300
SL1210380		6	50	3.80	7.60	1.5	12.0	0.0030	00300
SL1210380-8V		6	50	3.80	7.60	1.5	12.0	0.0020	00300
SL1210380-12V		6	50	3.80	7.60	1.5	12.0	0.0020	00300
SL1210380-16V		6	50	3.80	7.60	1.5	12.0	0.0020	00300
SL1210400		6	50	4.00	8.00	1.5	16.0	0.0010	00180
SL1210400-8V		6	50	4.00	8.00	1.5	16.0	0.0010	00180
SL1210400-12V		6	50	4.00	8.00	1.5	16.0	0.0010	00180
SL1210400-16V		6	50	4.00	8.00	1.5	16.0	0.0010	00180
SL1210450		6	50	4.50	9.00	1.5	16.0	0.0010	00180
SL1210450-8V		6	50	4.50	9.00	1.5	16.0	0.0010	00180
SL1210450-12V		6	50	4.50	9.00	1.5	16.0	0.0010	00180
SL1210450-16V		6	50	4.50	9.00	1.5	16.0	0.0010	00180
SL1210500		6	50	5.00	10.00	1.5	16.0	0.0010	00120
SL1210500-8V		6	50	5.00	10.00	1.5	16.0	0.0010	00120
SL1210500-12V		6	50	5.00	10.00	1.5	16.0	0.0010	00120
SL1210500-16V		6	50	5.00	10.00	1.5	16.0	0.0010	00120
SL1210550		6	50	5.50	11.00	1.5	20.0	0.0010	00150
SL1210550-8V		6	50	5.50	11.00	1.5	20.0	0.0008	00150
SL1210550-12V		6	50	5.50	11.00	1.5	20.0	0.0008	00150
SL1210550-16V		6	50	5.50	11.00	1.5	20.0	0.0008	00150
SL1210600		6	50	6.00	12.00	1.5	20.0	0.0008	00090
SL1210600-8V		6	50	6.00	12.00	1.5	20.0	0.0008	00090
SL1210600-12V		6	50	6.00	12.00	1.5	20.0	0.0008	00090
SL1210600-16V		6	50	6.00	12.00	1.5	20.0	0.0008	00090