

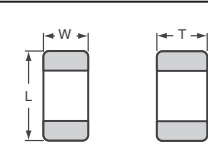


Surface Mount PTC Thermistors For Temperature Protection

Features: • Thermistor chip with lead-free tinned terminations • Small size • Fast and reliable response • Suitable for reflow soldering
Applications: • DC/DC converters • Home appliances • Dimmers • Electronic ballasts • Temperature management in automotive electronics • Over temperature protection of power transistors and power IC's (e.g. in battery pack, notebook) • SMPS



Size Code	Nominal Threshold Temperature (°C)	Rated Resistance (Ω)	Maximum Operating Voltage (VDC)	Digi-Key Part No.	Cut Tape Price Each			Digi-Key Part No.	Tape and Reel Pricing 4,000	Epcos Part No.
					1	10	100			
0603	75	470	32	495-2408-1-ND	.80	.70	.55	495-2408-2-ND	290.00/M	B59601A0075A062
	85			495-2409-1-ND	.80	.70	.55	495-2409-2-ND	290.00/M	B59601A0085A062
	95			495-2410-1-ND	.80	.70	.55	495-2410-2-ND	290.00/M	B59601A0095A062
	105			495-2411-1-ND	.80	.70	.55	495-2411-2-ND	290.00/M	B59601A0105A062
	115			495-2412-1-ND	.80	.70	.55	495-2412-2-ND	290.00/M	B59601A0115A062
	125			495-2413-1-ND	.80	.70	.55	495-2413-2-ND	290.00/M	B59601A0125A062
	135			495-2414-1-ND	.80	.70	.55	495-2414-2-ND	290.00/M	B59601A0135A062
0805	70	≤1K	25	495-2415-1-ND	.78	.69	.54	495-2415-2-ND	283.00/M	B59701A0070A062
	90			495-2608-1-ND	.88	.51	.38	495-2608-2-ND	278.00/M	B59701A0090A062
	100			495-2609-1-ND	.88	.51	.38	495-2609-2-ND	278.00/M	B59701A0100A062
	110			495-2610-1-ND	.88	.51	.38	495-2610-2-ND	278.00/M	B59701A0110A062
	120			495-2611-1-ND	.88	.51	.38	495-2611-2-ND	278.00/M	B59701A0120A062
	130			495-2612-1-ND	.88	.51	.38	495-2612-2-ND	278.00/M	B59701A0130A062



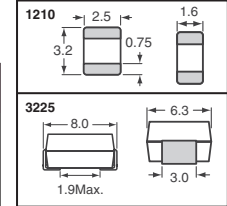
Size Code	Dimensions - mm		
	L	W	T
0603	1.6	0.8	0.9
0805	2.0	1.25	0.8

Surface Mount PTC Thermistors For Overcurrent Protection

Features: • Suitable for reflow soldering and for automatic placement Applications: • Overcurrent protection • Short-circuit protection



Size Code	Rated Resistance (Ω)	Rated Current (mA)	Switch Current (mA)	Maximum Switch Current (A)	Digi-Key Part No.	Cut Tape Price Each			Digi-Key Part No.	Tape and Reel Qty. Pricing	Epcos Part No.
						1	10	100			
1210	27	90	180	0.5	495-2416-1-ND	1.15	1.01	.79	495-2416-2-ND	2,000 416.00/M	B59606A0110A062
	55	70	130	0.4	495-2417-1-ND	1.04	.92	.72	495-2417-2-ND	2,000 378.00/M	B59607A0120A062
	125	50	90	0.3	495-2418-1-ND	1.04	.92	.72	495-2418-2-ND	2,000 378.00/M	B59707A0120A062
3225	55	40	85	0.7	495-2419-1-ND	1.75	1.53	1.21	495-2419-2-ND	1,000 634.00	B59115P1080A062
	25	65	135	1.0	495-2421-1-ND	1.78	1.56	1.23	495-2421-2-ND	1,000 645.00	B59215P1080A062
	4.6	165	340	1.0	495-2420-1-ND	1.78	1.56	1.23	495-2420-2-ND	1,000 645.00	B59201P1080A062

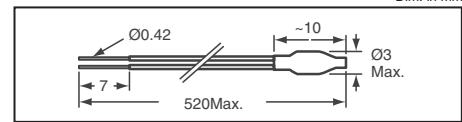


Leaded PTC Thermistors For Temperature Protection

Features: • Thermistor pellet with insulating encapsulation • Low-resistance • Steep R/T curve • UL approved to UL 1434 (file number E69802) Applications: • Thermal protection of winding in Silver-plated and Insulated AWG 26 tltz wires • Extremely fast response due to small dimensions • electric motors • Limit temperature monitoring



Nominal Threshold Temperature (°C)	Rated Resistance (Ω)	Maximum Operating Voltage (VDC)	Digi-Key Part No.	Price Each			Epcos Part No.
				1	10	100	
70	≤100	30	495-2615-ND	3.61	2.58	2.07	B59100M1070A070
110			495-2616-ND	3.35	2.40	1.92	B59100M1110A070
120			495-2617-ND	3.35	2.40	1.92	B59100M1120A070
155			495-2618-ND	3.35	2.40	1.92	B59100M1155A070

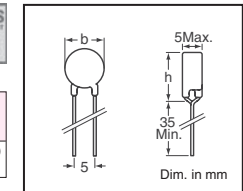


Leaded PTC Thermistors For Overcurrent Protection

Features: • Short response times • UL approval for UL 1434 (file number E69802) • VDE approval (license number 104843 E) Applications: • Overcurrent and short-circuit protection Specifications: • Operating Temperature Range (V=Vmax): 0 - 60°C • Rated Voltage: 230VAC/VDC



Rated Resistance (Ω)	Rated Current (mA)	Switch Current (mA)	Maximum Switch Current (A)	Dimension - mm		Digi-Key Part No.	Cut Tape Price Each			Digi-Key Part No.	Tape and Reel Pricing 1,500	Epcos Part No.
				b	h		1	10	100			
25	100	200	1.0	9.0	12.5	495-2613-ND†	1.55	1.00	.77	—	—	B59870C0120A070
70	55	110	0.4	6.5	10.0	495-2614-1-ND	1.58	.91	.67	495-2614-2-ND	595.00/M	B59880C0120A051



Inrush Current Limiters

Features: • Usable in series connections up to 265Vrms • Coated thermistor disk • UL Approval (E69802) Applications: • Switch-mode power supplies Specifications: • Climatic category: 55/170/21 • Tolerance: ±20%

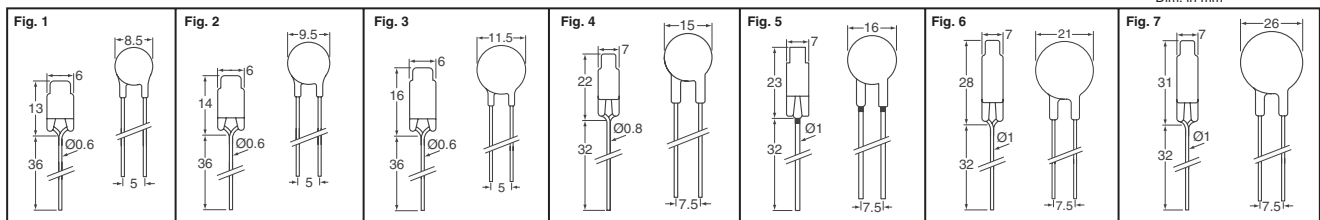


Fig.	Res. @ 25°C (Ω)	I _{max} (A) 0°C - 65°C	B _{25/100} (K)	Digi-Key Part No.	Pricing			Epcos Part No.
					1	10	100	
1	4.7	3.0	2800	495-2079-ND	.25	2.19	17.19	B57153S0479M000
	10	2.0	2800	495-2076-ND	.25	2.19	17.19	B57153S0100M000
	15	1.8	2900	495-2077-ND	.25	2.19	17.19	B57153S0150M000
	33	1.3	3000	495-2078-ND	.25	2.19	17.19	B57153S0330M000
2	5	4.2	2800	495-2093-ND	.30	2.63	20.63	B57235S0509M000
	6	4.0	2800	495-3043-ND	.30	2.63	20.63	B57235S0609M000
	8	3.5	2900	495-3044-ND	.30	2.63	20.63	B57235S0809M000
	10	3.0	2900	495-2092-ND	.30	2.63	20.63	B57235S0100M000
3	2.5	5.5	2700	495-3049-ND†	.48	4.20	33.00	B57236S0259L002
	3	5.0	2700	495-3050-ND†	.48	4.20	33.00	B57236S0309L002
	5	4.5	2800	495-3051-ND†	.48	4.20	33.00	B57236S0509L002
	8	4.5	2800	495-2096-ND	.42	3.63	28.55	B57236S0509M000
	5	3.7	2900	495-3052-ND†	.48	4.20	33.00	B57236S0809L002
	10	3.5	2900	495-2094-ND	.42	3.63	28.55	B57236S0100M000
4	12	3.2	2900	495-3045-ND	.42	3.63	28.55	B57236S0120M000
	16	2.9	2965	495-3046-ND	.42	3.63	28.55	B57236S0160M000
	20	2.8	3065	495-3047-ND	.42	3.63	28.55	B57236S0200M000
	25	2.5	3065	495-3048-ND	.42	3.63	28.55	B57236S0250M000
	50	1.9	3165	495-2095-ND	.42	3.63	28.55	B57236S0500M000
	1	9.0	2700	495-2098-ND	.73	6.35	49.86	B57237S0109M000
2.2	7.0	2800	495-3055-ND	.73	6.35	49.86	B57237S0229M000	

Fig.	Res. @ 25°C (Ω)	I _{max} (A) 0°C - 65°C	B _{25/100} (K)	Digi-Key Part No.	Pricing			Epcos Part No.
					1	10	100	
4	2.5	6.5	2800	495-3056-ND	.73	6.35	49.86	B57237S0259M000
	4.7	5.1	2900	495-2099-ND	.73	6.35	49.86	B57237S0479M000
	5	5.0	2900	495-2100-ND	.73	6.35	49.86	B57237S0509M000
	10	3.7	3060	495-2097-ND	.73	6.35	49.86	B57237S0100M000
	15	3.0	3000	495-3053-ND	.73	6.35	49.86	B57237S0150M000
5	22	2.8	3300	495-3054-ND	.73	6.35	49.86	B57237S0220M000
	33	2.5	3300	495-3057-ND	.73	6.35	49.86	B57237S0330M000
	2.5	8.4	2800	495-3062-ND	.78	6.78	53.30	B57238S0259M000
	4.7	6.6	2965	495-2102-ND	.78	6.78	53.30	B57238S0479M000
	5	6.4	2965	495-2103-ND	.78	6.78	53.30	B57238S0509M000
6	10	3.5	3265	495-3061-ND	.78	6.78	53.30	B57238S0100M000
	15	4.4	3165	495-3058-ND	.78	6.78	53.30	B57238S0150M000
	16	4.0	3165	495-3059-ND	.78	6.78	53.30	B57238S0160M000
	22	4.0	3265	495-3060-ND	.78	6.78	53.30	B57238S0220M000
	25	3.4	3265	495-3061-ND	.78	6.78	53.30	B57238S0250M000
7	1	16.0	2800	495-1871-ND	1.15	10.06	79.06	B57364S0109M000
	2.5	11	2900	495-3063-ND	1.15	10.06	79.06	B57364S0259M000
	5	8.5	3060	495-2114-ND	1.15	10.06	79.06	B57364S0509M000
10	7.5	3300	495-2112-ND	1.15	10.06	79.06	B57364S0100M000	
7	1	20.0	2800	495-2123-ND	3.75	32.81	257.81	B57464S0109M000

† Tolerance ±15%

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