



Chipsmall Limited consists of a professional team with an average of over 10 year of expertise in the distribution of electronic components. Based in Hongkong, we have already established firm and mutual-benefit business relationships with customers from,Europe,America and south Asia,supplying obsolete and hard-to-find components to meet their specific needs.

With the principle of “Quality Parts,Customers Priority,Honest Operation,and Considerate Service”,our business mainly focus on the distribution of electronic components. Line cards we deal with include Microchip,ALPS,ROHM,Xilinx,Pulse,ON,Everlight and Freescale. Main products comprise IC,Modules,Potentiometer,IC Socket,Relay,Connector.Our parts cover such applications as commercial,industrial, and automotives areas.

We are looking forward to setting up business relationship with you and hope to provide you with the best service and solution. Let us make a better world for our industry!



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PTC THERMISTORS: TYPE PTO

OVER-CURRENT PROTECTION

DESCRIPTION:

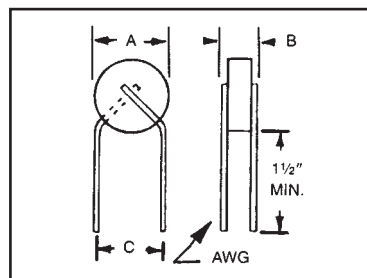
General Purpose PTC disc thermistor.

FEATURES:

- Low cost solid state sensor
- Available in a broad range of resistances, transition temperatures and voltage ratings
- Exhibits large positive increases in resistance with temperature
- Applications include temperature measurement and control, current regulation and circuit protection
- Resistance/temperature characteristic is infinitely repeatable and has no hysteresis associated with its action
- Proven quality and reliability over many years of manufacture
- Standard options include protective coating and tape and reeled to EIA RS-468A



DIMENSIONS:



Operating Voltage	Type Number	R @ 25°C (±30%)	Ttr (°C)	d.c. (mW/°C)	t.c. (Sec)	H (J/°C)	A (max) in.	A (max) mm.	B (max) in.	B (max) mm.	C (max) in.	C (max) mm.	AWG No.
5	RL6505-5-110-5-PTO	0.5	110	18	70	0.8	0.70	17.80	0.16	4.06	0.33	8.38	20
12	RL5305-1-120-12-PTO	1.0	120	14	50	0.6	0.60	15.24	0.15	3.81	0.33	8.38	20
12	RL5305-2-120-12-PTO	2.0	120	14	50	0.6	0.60	15.24	0.16	4.06	0.33	8.38	20
12	RL5305-2.5-110-12-PTO	2.5	110	14	50	0.6	0.60	15.24	0.16	4.06	0.33	8.38	20
12	RL4005-5.0-110-12-PTO	5.0	110	10	40	0.3	0.45	11.43	0.15	3.81	0.25	6.35	24
12	RL3005-10-110-12-PTO	10	110	7	35	0.2	0.35	8.89	0.15	3.81	0.25	6.35	24
12	RL3005-15-110-12-PTO	15	110	7	35	0.2	0.35	8.89	0.15	3.81	0.25	6.35	24
12	RL2006-20-80-12-PTO	20	80	6	30	0.1	0.25	6.35	0.15	3.81	0.15	3.81	24
12	RL3005-25-110-12-PTO	25	110	7	35	0.2	0.35	8.89	0.15	3.81	0.25	6.35	24
25	RL7008-1.5-110-25-PTO	1.5	110	18	80	1.5	0.75	19.05	0.18	4.57	0.33	8.38	20
25	RL5008-3.0-110-25-PTO	3	110	14	50	0.8	0.55	13.97	0.18	4.57	0.33	8.38	22
25	RL5506-5.0-110-25-PTO	5	110	14	50	0.7	0.60	15.24	0.16	4.06	0.33	8.38	22
25	RL4006-10-110-25-PTO	10	110	10	40	0.4	0.45	11.43	0.17	4.32	0.25	6.35	24
25	RL3006-20-120-25-PTO	20	120	7	35	0.2	0.35	8.89	0.16	4.06	0.25	6.35	22
25	RL3006-30-110-25-PTO	30	110	7	35	0.2	0.35	8.89	0.15	3.81	0.25	6.35	24
25	RL3006-50-30-25-PTO	50	30	7	35	0.2	0.35	8.89	0.15	3.81	0.25	6.35	24
25	RL3006-50-40-25-PTO	50	40	7	35	0.2	0.35	8.89	0.15	3.81	0.25	6.35	24
25	RL3006-50-50-25-PTO	50	50	7	35	0.2	0.35	8.89	0.15	3.81	0.25	6.35	24
25	RL3006-50-60-25-PTO	50	60	7	35	0.2	0.35	8.89	0.15	3.81	0.25	6.35	24
25	RL3006-50-70-25-PTO	50	70	7	35	0.2	0.35	8.89	0.15	3.81	0.25	6.35	24
25	RL3006-50-80-25-PTO	50	80	7	35	0.2	0.35	8.89	0.15	3.81	0.25	6.35	24
25	RL3006-50-90-25-PTO	50	90	7	35	0.2	0.35	8.89	0.15	3.81	0.25	6.35	24
25	RL3006-50-100-25-PTO	50	100	7	35	0.2	0.35	8.89	0.15	3.81	0.25	6.35	24
25	RL3006-50-110-25-PTO	50	110	7	35	0.2	0.35	8.89	0.15	3.81	0.25	6.35	24
25	RL3006-50-120-25-PTO	50	120	7	35	0.2	0.35	8.89	0.15	3.81	0.25	6.35	24

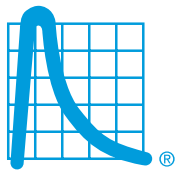
OPTIONS:

- Protective coating, use suffix "POC"
- Tape and reel, use suffix "POR"
- Coated and T&R, use suffix "POCR"
- Other resistances
- Other tolerances, other transition temperatures
- Alternate size and configurations
- Other voltage ratings

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Operating Voltage	Type Number	R @ 25°C (±30%)	Ttr (°C)	d.c. (mW/°C)	t.c. (Sec)	H (J/°C)	A (max)		B (max)		C (max)		AWG No.
							in.	mm.	in.	mm.	in.	mm.	
50	RL5506-5-65-50-PTO	5.0	65	14	50	0.7	0.60	15.24	0.18	4.57	0.33	8.38	20
50	RL5506-5-110-50-PTO	5.0	110	14	50	0.7	0.60	15.24	0.16	4.06	0.33	8.38	22
50	RL4508-7-110-50-PTO	7.0	110	12	45	0.6	0.50	12.70	0.18	4.57	0.33	8.38	22
50	RL4006-10-110-50-PTO	10	110	10	40	0.4	0.45	11.43	0.17	4.32	0.25	6.35	24
50	RL4508-15-110-50-PTO	15	110	12	45	0.6	0.50	12.70	0.18	4.57	0.33	8.38	22
50	RL4508-20-110-50-PTO	20	110	12	45	0.6	0.50	12.70	0.18	4.57	0.33	8.38	22
50	RL4010-50-110-50-PTO	50	110	12	60	0.6	0.45	11.43	0.20	5.08	0.33	8.38	22
50	RL2510-100-110-50-PTO	100	110	8	40	0.2	0.30	7.62	0.22	5.59	0.15	3.81	22
50	RL3312-200-110-50-PTO	200	110	9	45	0.5	0.40	10.16	0.23	5.84	0.25	6.35	20
50	RL2010-500-110-50-PTO	500	110	7	40	0.2	0.25	6.35	0.18	4.57	0.15	3.81	24
120	RL7510-10-120-120-PTO	10	120	20	90	2.2	0.80	20.32	0.23	5.84	0.33	8.38	18
120	RL5512-15-110-120-PTO	15	110	14	90	1.4	0.60	15.24	0.23	5.84	0.33	8.38	20
120	RL6010-20-120-120-PTO	20	120	18	90	1.4	0.65	16.51	0.23	5.84	0.33	8.38	20
120	RL5510-25-60-120-PTO	25	60	15	90	1.2	0.60	15.24	0.22	5.59	0.33	8.38	20
120	RL4510-50-120-120-PTO	50	120	12	70	0.8	0.50	12.70	0.20	5.08	0.33	8.38	22
120	RL3510-100-110-120-PTO	100	110	11	45	0.5	0.40	10.16	0.20	5.08	0.25	6.35	22
120	RL2510-200-110-120-PTO	200	110	8	40	0.2	0.30	7.62	0.20	5.08	0.15	3.81	22
240	RL6315-40-110-240-PTO	40	110	18	90	2.3	0.65	16.51	0.27	6.86	0.33	8.38	18
240	RL5515-50-65-240-PTO	50	65	17	80	1.8	0.60	15.24	0.27	6.86	0.33	8.38	20
240	RL6315-50-110-240-PTO	50	110	18	90	2.3	0.65	16.51	0.27	6.86	0.33	8.38	18
240	RL6015-100-120-240-PTO	100	120	18	90	2.1	0.65	16.51	0.27	6.86	0.33	8.38	20
240	RL6315-250-110-240-PTO	250	110	18	90	2.3	0.65	16.51	0.27	6.86	0.33	8.38	18
240	RL6315-500-110-240-PTO	500	110	18	90	2.3	0.65	16.51	0.27	6.86	0.33	8.38	18
240	RL3020-1000-100-240-PTO	1k	100	12	60	0.7	0.35	8.89	0.31	7.87	0.25	6.35	20
240	RL3020-1500-100-240-PTO	1.5k	100	12	60	0.7	0.35	8.89	0.31	7.87	0.25	6.35	20
240	RL3020-3000-100-240-PTO	3.0k	100	12	60	0.7	0.35	8.89	0.31	7.87	0.25	6.35	20
240	RL1710-25K-65-240-PTO	25k	65	6	40	0.1	0.20	5.08	0.20	5.08	0.15	3.81	24
480	RL7020-1K-100-480-PTO	1k	100	18	90	3.8	0.75	19.05	0.32	8.13	0.33	8.38	18
480	RL5020-2K-100-480-PTO	2k	100	15	80	2.0	0.55	13.97	0.32	8.13	0.33	8.38	18
480	RL3020-5K-100-480-PTO	5k	100	12	60	0.7	0.35	8.89	0.31	7.87	0.25	6.35	20

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