



PTC THERMISTORS: TYPE PTU

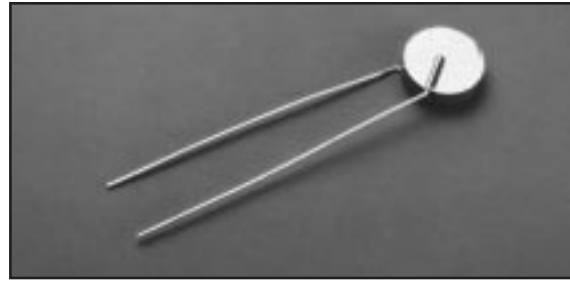
OVER-CURRENT PROTECTION, UL RECOGNIZED

DESCRIPTION:

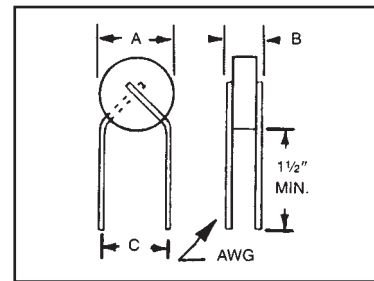
UL recognized PTC disc thermistor for over-current and short-circuit protection.

FEATURES:

- UL recognized resettable fuse - U.L. File E82830 - U.L. Category XGPU2 (Thermistor type devices)
- Low cost solid state fuse
- Available in a broad range of resistances, transition temperatures and voltage ratings
- Exhibits large positive increases in resistance with temperature
- Wide range of trip and non-trip currents; from 30mA to 2.3 amps
- 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	R25°C (±20%)	Type	U.L. Style No.	Minimum Switch Current		Maximum No-Switch Current		"H" Joules/°C	d.c. mW/°C	A (max)		B (max)		C (ref.)		AWG No.
				0°C	25°C	25°C	55°C			in.	mm.	in.	mm.	in.	mm.	
5	0.5	RL6505-5-110-5-PTU	L/005-NC-0001/B	2.32	2.07	1.40	1.02	.08	18	0.70	17.78	0.16	4.06	0.33	8.38	20
12	1.0	RL5506-1.0-110-12-PTU	L/012-LC-0001/B	1.45	1.29	0.87	0.64	0.7	14	0.60	15.24	0.15	3.81	0.33	8.38	22
12	2.5	RL3506-2.5-110-12-PTU	L/012-HC-0003/B	0.73	0.65	0.44	0.32	0.3	9	0.40	10.16	0.15	3.81	0.25	6.35	24
12	5.0	RL2506-5.0-110-12-PTU	L/012-FC-0005/B	0.49	0.44	0.29	0.22	0.15	8	0.30	7.62	0.15	3.81	0.15	3.81	24
12	10.0	RL2006-10-110-12-PTU	L/012-EC-0010/B	0.30	0.27	0.18	0.13	0.11	6	0.25	6.35	0.15	3.81	0.15	3.81	24
12	0.2	RL9905-0.2-120-12-PTU	M/012-UC-0001/B	4.93	4.43	3.06	2.37	1.9	29.9	1.10	27.94	0.15	3.81	0.33	8.38	22
12	0.5	RL6505-0.5-120-12-PTU	M/012-NC-0001/B	2.42	2.17	1.50	1.16	0.8	18.0	0.71	18.03	0.15	3.81	0.33	8.38	24
12	1.0	RL4805-1.0-120-12-PTU	M/012-KC-0001/B	1.36	1.22	0.84	0.65	0.4	11.4	0.54	13.72	0.15	3.81	0.25	6.35	24
12	2.5	RL3005-2.5-120-12-PTU	M/012-GC-0003/B	0.67	0.61	0.42	0.32	0.2	7.0	0.36	9.14	0.15	3.81	0.15	3.81	24
12	5.0	RL2105-5.0-120-12-PTU	M/012-EC-0005/B	0.38	0.34	0.23	0.18	0.08	4.4	0.27	6.86	0.15	3.81	0.15	3.81	24
12	10.0	RL1505-10-120-12-PTU	M/012-DC-0010/B	0.22	0.20	0.13	0.10	0.9	2.9	0.21	5.33	0.15	3.81	0.15	3.81	24
25	1.5	RL7008-1.5-110-25-PTU	L/025-OD-0002/B	1.34	1.19	0.81	0.59	1.5	18	0.75	19.05	0.18	4.57	0.33	8.38	20
25	3.0	RL5008-3.0-110-25-PTU	L/025-KD-0003/B	0.84	0.74	0.50	0.37	0.8	14	0.55	13.97	0.18	4.57	0.33	8.38	22
25	0.5	RL7006-0.5-120-25-PTU	M/025-OC-0001/B	2.46	2.21	1.52	1.18	0.8	18.6	0.75	19.05	0.16	4.06	0.33	8.38	22
25	1.0	RL5006-1.0-120-25-PTU	M/025-KC-0001/B	1.41	1.27	0.87	0.68	0.4	12.2	0.55	13.97	0.16	4.06	0.33	8.38	22
25	1.5	RL4006-1.5-120-25-PTU	M/025-IC-0002/B	1.00	0.90	0.62	0.48	0.3	9.3	0.45	11.43	0.16	4.06	0.25	6.35	24
25	3.0	RL2806-3.0-120-25-PTU	M/025-GC-0003/B	0.58	0.52	0.36	0.28	0.2	6.2	0.33	8.38	0.16	4.06	0.15	3.81	24
25	5.0	RL2206-5.0-120-25-PTU	M/025-EC-0005/B	0.39	0.35	0.24	0.19	1.1	4.6	0.28	7.11	0.16	4.06	0.15	3.81	24

BOWTHORPE THERMOMETRICS
Crown Industrial Estate, Priorswood Road
Taunton, Somerset TA2 8QY UK
Tel +44 (0) 1823 335200
Fax +44 (0) 1823 332637

THERMOMETRICS, INC.
808 US Highway 1
Edison, New Jersey 08817-4695 USA
Tel +1 (732) 287 2870
Fax +1 (732) 287 8847

KEYSTONE THERMOMETRICS CORPORATION
967 Windfall Road
St. Marys, Pennsylvania 15857-3397 USA
Tel +1 (814) 834 9140
Fax +1 (814) 781 7969



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OVER-CURRENT PROTECTION, UL RECOGNIZED

Operating Voltage	R25°C (±20%)	Type	U.L. Style No.	Minimum Switch Current		Maximum No-Switch Current		“H” Joules/°C	d.c. mW/°C	A (max)		B (max)		C (ref.)		AWG No.
				0°C	25°C	25°C	55°C			in.	mm.	in.	mm.	in.	mm.	
50	5.0	RL5508-5.0-110-50-PTU	L/050-LD-0005/B	0.65	0.58	0.39	0.29	1.0	14	0.60	15.24	0.17	4.32	0.33	8.38	22
50	10.0	RL4008-10-110-50-PTU	L/050-ID-0010/B	0.39	0.34	0.23	0.17	0.5	10	0.45	11.43	0.17	4.32	0.25	6.35	24
50	20.0	RL3008-20-110-50-PTU	L/050-GD-0020/B	0.24	0.22	0.15	0.11	0.3	8	0.35	8.89	0.16	4.06	0.25	6.35	24
50	50.0	RL2008-50-110-50-PTU	L/050-ED-0050/B	0.14	0.13	0.09	0.06	0.1	7	0.25	6.35	0.16	4.06	0.15	3.81	24
50	1.0	RL7506-1.0-120-50-PTU	M/050-PC-0001/B	1.85	1.66	1.15	0.89	1.5	21.0	0.80	20.32	0.16	4.06	0.33	8.38	22
50	2.5	RL5006-2.5-120-50-PTU	M/050-KC-0003/B	0.91	0.82	0.56	0.44	0.7	12.7	0.55	13.97	0.16	4.06	0.33	8.38	22
50	5.0	RL3506-5.0-120-50-PTU	M/050-HC-0005/B	0.51	0.46	0.32	0.25	0.3	8.1	0.40	10.16	0.16	4.06	0.25	6.35	24
50	10.0	RL2506-10-120-50-PTU	M/050-FC-0010/B	0.31	0.28	0.19	0.15	0.2	6.0	0.30	7.62	0.16	4.06	0.15	3.81	24
50	25.0	RL2006-25-120-50-PTU	M/050-EC-0025/B	0.17	0.15	0.10	0.08	0.1	4.4	0.25	6.35	0.16	4.06	0.15	3.81	24
50	50.0	RL1606-50-120-50-PTU	M/050-DC-0050/B	0.11	0.09	0.07	0.05	0.07	3.4	0.21	5.33	0.16	4.06	0.10	2.54	24
120	10.0	RL7512-10-110-120-PTU	L/120-PF-0010/B	0.55	0.49	0.33	0.24	2.7	20	0.80	20.32	0.23	5.84	0.33	8.38	20
120	20.0	RL5512-20-110-120-PTU	L/120-LF-0020/B	0.32	0.29	0.19	0.14	1.4	14	0.60	15.24	0.23	5.84	0.33	8.38	20
120	50.0	RL3512-50-110-120-PTU	L/120-HF-0050/B	0.16	0.15	0.10	0.07	0.6	9	0.40	10.16	0.22	5.59	0.25	6.35	22
120	100.0	RL2512-100-110-120-PTU	L/120-FF-0100/B	0.11	0.10	0.07	0.05	0.3	8	0.30	7.62	0.22	5.59	0.15	3.81	22
120	2.5	RL9910-2.5-120-120-PTU	M/120-UE-0003/B	1.46	1.31	0.90	0.70	4.6	32.6	1.04	26.42	0.20	5.08	0.33	8.38	20
120	5.0	RL7510-5.0-120-120-PTU	M/120-PE-0005/B	0.81	0.72	0.50	0.39	2.2	20.0	0.80	20.32	0.20	5.08	0.33	8.38	22
120	10.0	RL5010-10-120-120-PTU	M/120-KE-0010/B	0.48	0.43	0.30	0.23	1.2	14.2	0.55	13.97	0.20	5.08	0.33	8.38	24
120	20.0	RL3510-20-120-120-PTU	M/120-HE-0020/B	0.27	0.25	0.17	0.13	0.6	9.2	0.40	10.16	0.20	5.08	0.25	6.35	24
120	50.0	RL2310-50-120-120-PTU	M/120-FE-0050/B	0.14	0.13	0.09	0.07	0.2	6.0	0.28	7.11	0.20	5.08	0.15	3.81	24
120	100.0	RL2006-100-120-120-PTU	M/120-EC-0100/B	0.09	0.08	0.05	0.04	0.1	4.3	0.25	6.35	0.16	4.06	0.15	3.81	24
240	50.0	RL6320-50-110-240-PTU	L/240-NH-0050/B	0.23	0.21	0.14	0.10	3.1	18	0.70	17.78	0.32	8.13	0.33	8.38	18
240	100.0	RL4520-100-110-240-PTU	L/240-JH-0100/B	0.14	0.12	0.08	0.06	1.6	13	0.50	12.70	0.30	7.62	0.33	8.38	20
240	200.0	RL3020-200-110-240-PTU	L/240-GH-0200/B	0.08	0.07	0.05	0.03	0.7	8	0.35	8.89	0.29	7.37	0.25	6.35	22
240	5.0	RL9912-5-120-240-PTU	M/240-UF-0005/B	1.05	0.94	0.65	0.50	5.7	33.7	1.04	26.42	0.22	5.59	0.33	8.38	20
240	10.0	RL7512-10-120-240-PTU	M/240-PF-0010/B	0.62	0.56	0.38	0.30	3.2	23.6	0.80	20.32	0.22	5.59	0.33	8.38	22
240	20.0	RL5512-20-120-240-PTU	M/240-LF-0020/B	0.37	0.33	0.23	0.18	1.8	16.8	0.60	15.24	0.22	5.59	0.33	8.38	22
240	50.0	RL3512-50-120-240-PTU	M/240-HF-0050/B	0.18	0.16	0.11	0.09	0.7	9.9	0.40	10.16	0.22	5.59	0.25	6.35	22
240	100.0	RL2412-100-120-240-PTU	M/240-FF-0100/B	0.11	0.10	0.07	0.05	0.3	7.0	0.29	7.37	0.22	5.59	0.15	3.81	24
240	200.0	RL2012-200-120-240-PTU	M/240-EF-0200/B	0.07	0.06	0.04	0.03	0.2	5.7	0.25	6.35	0.22	5.59	0.15	3.81	24
480	25.0	RL7024-25-120-480-PTU	M/480-OI-0025/B	0.39	0.35	0.24	0.19	3.7	23.4	0.75	19.05	0.34	8.64	0.33	8.38	20
480	50.0	RL4820-50-120-480-PTU	M/480-KH-0050/B	0.22	0.20	0.14	0.11	1.8	15.4	0.53	13.46	0.28	7.11	0.33	8.38	20
480	100.0	RL4517-100-120-480-PTU	M/480-JG-0100/B	0.16	0.14	0.10	0.08	1.8	15.4	0.51	12.95	0.24	6.10	0.25	6.35	22
480	200.0	RL4517-200-120-480-PTU	M/480-JG-0200/B	0.11	0.10	0.07	0.05	1.8	15.4	0.51	12.95	0.24	6.10	0.25	6.35	22

OPTIONS:

- Protective coating, replace “PTU” suffix with “PUC”
- Tape and reel, replace “PTU” suffix with “PUR”
- Coated and T&R, replace “PTU” suffix with “PUCR”
- Other resistances
- Other tolerances, other transition temperatures
- Alternate size and configurations
- Other voltage ratings

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