



PTC THERMISTORS: TYPE PTSM

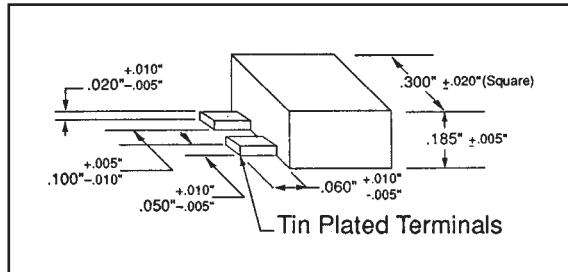
OVER-CURRENT PROTECTION

DESCRIPTION:

Surface mount, PTC disc thermistor for over-current and short-circuit protection

FEATURES:

- Molded epoxy encapsulated housing with tin plated terminals
- Suitable for wave and reflow soldering
- Available in a broad range of resistances, and voltage ratings
- Exhibits large positive increases in resistance with temperature
- Wide range of trip and non-trip currents; from 50mA to 550mA
- Resistance/temperature characteristic is infinitely repeatable and has no hysteresis associated with its action
- Available pocket-taped to EIA RS-481



Operating Voltage	Type Number	Ro @ 25°C (Ohms)	Minimum Switch Current		Maximum No-Switch Current	
			0°C	25°C	0°C	25°C
12	PTSM-R050-V12	5.0	0.55	0.49	0.33	0.24
12	PTSM-R100-V12	10	0.39	0.34	0.23	0.17
12	PTSM-R250-V12	25	0.24	0.22	0.15	0.11
12	PTSM-R501-V12	50	0.17	0.15	0.10	0.08
12	PTSM-R102-V12	100	0.12	0.11	0.07	0.05
24	PTSM-R050-V24	5.0	0.55	0.49	0.33	0.24
24	PTSM-R100-V24	10	0.39	0.34	0.23	0.17
24	PTSM-R250-V24	25	0.24	0.22	0.15	0.11
24	PTSM-R501-V24	50	0.17	0.15	0.10	0.08
24	PTSM-R102-V24	100	0.12	0.11	0.07	0.05
50	PTSM-R100-V50	10	0.39	0.34	0.23	0.17
50	PTSM-R250-V50	25	0.24	0.22	0.15	0.11
50	PTSM-R501-V50	50	0.17	0.15	0.10	0.08
50	PTSM-R102-V50	100	0.12	0.11	0.07	0.05
120	PTSM-R501-V120	50	0.17	0.15	0.10	0.08
120	PTSM-R102-V120	100	0.12	0.11	0.07	0.05

OPTIONS:

- Pocket-taped, replace "PTSM" prefix with "PTSB"
- Other resistances
- Other tolerances, other transition temperatures
- Other voltage ratings

DATA:

Dissipation constant:10 mW/°C
Transition temperature:110°C
Time constant:80sec

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