

PTH9M/59F SERIES FOR POWER TRANSISTOR OVERHEAT PROTECTION

PTH9M

Dimensions: in. (mm)

PTH59F

Dimensions: in. (mm)

Part Number	Resistance			Max. Voltage	Max. Current	Dielectric WSV
	25 (°C)	TS-10 (°C)	TS (°C)			
* PTH9M04 □ 471TS2F333	100 Ω max.	330 Ω max.	470 Ω min.	16V	0.1A	500 VDC for 5 seconds
PTH59F04 □ 471TS						
PTH9M04 □ 222TS2F333	330 Ω max.	1.5 Ω max.	2.2 Ω min.	16V	0.1A	
* PTH59F04 □ 222TS						

□ : BH BG BF BE BD BC BB
TS : 60 70 80 90 100 110 120

TYPICAL APPLICATION

IC VS. TEMPERATURE

RESISTANCE-TEMPERATURE CHARACTERISTIC

PTH60/61G SERIES FOR IC AND TRANSISTOR CIRCUIT PROTECTION

Dimensions: mm
PTH60: 7.4 max.
PTH61: 9.6 max.

Dimensions: mm

Part Number	Char. (Curie Point)	Resistance (Ω)	Max. Volt. (V)	Max. Current (A)	Non-Operating Current (mA)	Trip Current (mA)
PTH61G30BD2R2N	BD (80°C)	2.2 ± 30%	24	2.0	180	710
PTH61G30BD3R3N		3.3 ± 30%			145	580
PTH61G30BD4R7N		4.7 ± 30%			115	460
PTH60G30BD6R8N		6.8 ± 30%			90	370
PTH60G30BD100N		10 ± 30%			80	320
PTH60G30BD150N		15 ± 30%	32	1.5	60	240
PTH60G30BD220N		22 ± 30%			45	200
PTH60G30BD330N		33 ± 30%			40	170
PTH60G30BD470N		47 ± 30%			30	140
PTH60G30BD680N		68 ± 30%			28	120
PTH60G30BD101N	100 ± 30%	25	100			

PTH60H01-PTH63H02 SERIES FOR LINE VOLTAGE OR TRANSFORMER PROTECTION

Dimensions: mm

Part Number	Char. (Curie Point)	Resistance Range (at 25°C)	Max. Volt.	Max. Current	Non-Operating Current*	Trip Current**	Dimensions: mm			
							D Max.	T Max.	F	d
* PTH60H01AR330M140	AR (120°C)	33Ω ± 20%	140V	0.5A	100mA	230mA	7.4	6.0	5.0	0.5
* PTH61H01AR220M140		22Ω ± 20%		1.0A	140mA	330mA	9.6	6.0	6.5	0.65
* PTH624H01AR150M140		15Ω ± 20%		1.0A	170mA	400mA	11.6	6.0	6.5	0.65
* PTH623H01AR100M140		10Ω ± 20%		1.0A	220mA	510mA	13.0	6.0	9.5	0.65
* PTH622H01AR6R8M140		6.8Ω ± 20%		1.0A	290mA	670mA	14.0	6.0	9.5	0.65
* PTH631H01AR5R6M140		5.6Ω ± 20%		2.0A	340mA	780mA	17.0	6.0	9.5	0.65
* PTH63H01AR4R7M140		4.7Ω ± 20%		2.0A	390mA	900mA	19.0	6.0	9.5	0.65
* PTH59H02AR181M265		180Ω ± 20%	265V	0.3A	29mA	70mA	6.5	6.5	3.5	0.5
* PTH59H02AR121M265		120Ω ± 20%		0.3A	35mA	85mA	6.5	6.5	3.5	0.5
* PTH60H02AR820M265		82Ω ± 20%		0.5A	60mA	150mA	8.2	6.5	5.0	0.5
* PTH60H02AR560M265		56Ω ± 20%		0.8A	80mA	190mA	8.2	6.5	5.0	0.5
* PTH61H02AR390M265		39Ω ± 20%		1.2A	100mA	240mA	10.0	6.5	6.5	0.65
* PTH623H02AR270M265		27Ω ± 20%		1.5A	150mA	360mA	14.0	6.5	9.5	0.65
* PTH62H02AR180M265		18Ω ± 20%		1.8A	180mA	440mA	15.7	6.5	9.5	0.65
* PTH63H02AR120M265	12Ω ± 20%	2.0A	255mA	610mA	19.5	6.5	9.5	0.65		

U.L. Recognized (E78831) * @ +60°C ** @ -10°C
* Available through authorized Murata Erie Distributors.