

AMETHERM Inrush Current Limiters and NTC Thermistors



RoHS Compliant This product is RoHS compliant.

Thyristors

Ametherm

MEGASURGE MS SERIES - INRUSH CURRENT LIMITERS

- Specifications:**
- Tolerance: ±25%
- Features:**
- Rugged design
 - Space saving



- Applications:**
- AC motors
 - Frequency generators
 - Power supplies and battery chargers
 - Motor drives
 - Plasma cutting tools
 - MRI machines
 - Audio Amplifiers
 - Toroidal transformers

Dimensions: mm (Max.)					
	MS12	MS15	MS22	MS32	MS35
Case Diameter	13.5	17	23	31	37
Lead Spacing	7.8	7.8	7.8	7.8	19

MOUSER STOCK NO.	Ametherm Part No.	Resistance (Ω)	Current Rating (A)	Energy (J)	Dissipation Constant (mW/°C)	Price Each		
						1	10	100
MS12 Series								
995-MS12-15102	MS12 15102	150	2	110	12.7			
MS15 Series								
995-MS15-30004	MS15 30004	30	4.2	135	49.4			
995-MS15-40004	MS15 40004	40	4.1	135	49.4			
MS22 Series								
995-MS22-10008	MS22 10008	10	8	200	55			
995-MS22-10008-B	MS22 10008-B	10	8	200	55			
995-MS22-20005	MS22 20005	20	5	180	42.5			
995-MS22-30005	MS22 30005	30	5	150	45.4			
995-MS22-50004	MS22 50004	50	4	240	47.8			

SM SERIES - SMD NTC THERMISTORS

- Features:**
- Tolerance: 10%
 - Operating Temperature Range: -40°C to +125°C
 - Nickel barrier termination
 - Moisture sensitivity level: 2
 - Suitable for wave or reflow solder



- Applications:**
- Temperature compensation Circuits
 - Relay Coils
 - LCD Controls
 - Temperature Measurement

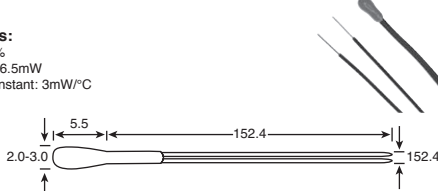
Dimensions: mm (Max.)				
	Length	L1	Width	Height
SM04	1	0.5	0.5	0.35
SM06	1.6	1	0.8	0.5
SM08	2	1.2	1.25	0.55

MOUSER STOCK NO.	Ametherm Part No.	Resistance (Ω)	Power Rating (mW)	Beta (°K)	Dissipation Constant (mW/°C)	Price Each		
						1	10	100
SM04 Series, 1005 Case Size								
995-SM04202302	SM04202302	2	125	3000	1.1			
995-SM04502345	SM04502345	5	125	3450	1.1			
995-SM04103372	SM04103372	10	125	3700	1.1			
995-SM04103411	SM04103411	10	125	4111	1.1			
995-SM04253411	SM04253411	25	125	4111	1.1			
995-SM04503411	SM04503411	50	125	4111	1.1			

PANE SERIES - NTC THROUGH HOLE THERMISTORS

- Features:**
- Fast Response
 - High Accuracy
 - Cost Effective
- Specifications:**
- Tolerance: 10%
 - Power Rating: 6.5mW
 - Dissipation Constant: 3mW/°C

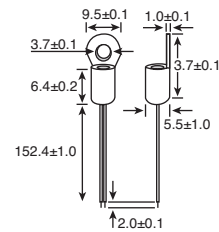
- Applications:**
- Transformers
 - High Accuracy
 - Air sensors/HVAC



MOUSER STOCK NO.	Ametherm Part No.	Resistance (Ω)	Beta (°K)	Price Each		
				1	10	100
995-PANE501350	PANE501350	0.5	3500			
995-PANE102350	PANE102350	1	3500			
995-PANE202395	PANE202395	2	3950			
995-PANE502395	PANE502395	5	3950			
995-PANE103395	PANE103395	10	3950			
995-PANE253411	PANE253411	25	4111			
995-PANE503411	PANE503411	50	4111			
995-PANE104450	PANE104450	100	4500			
995-PANE254450	PANE254450	250	4500			

PANR SERIES - NTC THROUGH HOLE RADIAL LEADED THERMISTORS

- Specifications:**
- Tolerance: 10%
 - Operating temperature range: -50°C to +150°C
 - Max. Power Rating: 125mW
 - Dissipation Constant: 3mW/°C



MOUSER STOCK NO.	Ametherm Part No.	Resistance (Ω)	Beta (°K)	Price Each		
				1	10	100
995-PANR501350	PANR501350	0.5	3500			
995-PANR302395	PANR302395	3	3950			
995-PANR103395	PANR103395	10	3950			
995-PANR253411	PANR253411	25	4111			
995-PANR503411	PANR503411	50	4111			
995-PANR104450	PANR104450	100	4500			
995-PANR254450	PANR254450	250	4500			