

AMETHERM Inrush Current Limiters and NTC Thermistors

AMETHERM
Circuit Protection Thermistors



This product is RoHS compliant.

MEGASURGE MS SERIES - INRUSH CURRENT LIMITERS

Specifications:

- Tolerance: $\pm 25\%$

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

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Ametherm Part No.	Resis- tance (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

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MOUSER STOCK NO.	Amtherm Part No.	Resis- tance (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			

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Ametherm Part No.	Resistance (Ω)	Current Rating (A)	Energy (J)	Dissipation Constant (mW/°C)	Price Each		
						1	10	100
MS22 Series (Cont.)								
995-MS22-75004	MS22 75004	75	4	240	51.8			
995-MS22-12102	MS22 12102	120	2	220	75.4			
995-MS22-12103	MS22 12103	120	3	220	75.4			
995-MS22-12104	MS22 12104	120	4	220	75.4			
995-MS22-22103	MS22 22103	220	3.5	75	45.4			
MS32 Series								
995-MS32-0R536	MS32 0R536	0.5	36	250	45.4			
995-MS32-0R540	MS32 0R540	0.5	40	250	79.8			
995-MS32-1R036	MS32 1R036	1	36	300	72			
995-MS32-2R025	MS32 2R025	2	25	300	65.4			
995-MS32-5R020	MS32 5R020	5	20	300	55.4			
995-MS32-5R020-B	MS32 5R020-B	5	20	300	55.4			
995-MS32-7R015	MS32 7R015	7	15	250	63.7			
995-MS32-10015	MS32 10015	10	15	250	63.7			
995-MS32-15012	MS32 15012	15	12	250	75.4			
995-MS32-20008	MS32 20008	20	8	250	45.5			
995-MS32-20010	MS32 20010	20	10	250	45.4			
995-MS32-20010-B	MS32 20010-B	20	10	250	45.4			
995-MS32-50006	MS32 50006	50	6	250	75.4			
995-MS32-50006-L	MS32 50006-L	50	6	250	75.4			
MS35 Series								
995-MS35-0R550	MS35 0R550	0.5	50	900	78			
995-MS35-1R040	MS35 1R040	1	40	800	78			
995-MS35-2R035	MS35 2R035	2	35	750	96			
995-MS35-3R030	MS35 3R030	3	30	750	78			
995-MS35-10018	MS35 10018	10	18	500	78			
995-MS35-20010	MS35 20010	20	10	500	80			

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Ametherm Part No.	Resistance (Ω)	Current Rating (A)	Energy (J)	Dissipation Constant (mW/°C)	Price Each		
						1	10	100
SM04 Series, 1005 Case Size (Cont.)								
995-SM04104411	SM04104411	100	125	4111	1.1			
SM06 Series, 1610 Case Size								
995-SM06502345	SM06502345	5	200	3450	1.5			
995-SM06103395	SM06103395	10	200	3950	1.5			
995-SM06503395	SM06503395	50	200	3950	1.5			
995-SM06503452	SM06503452	50	200	4500	1.5			
995-SM06104411	SM06104411	100	200	4111	1.5			
995-SM06104452	SM06104452	100	200	4500	1.5			
SM08 Series, 2012 Case Size								
995-SM08202345	SM08202345	2	250	3450	2			
995-SM08502395	SM08502395	5	250	3950	2			
995-SM08253395	SM08253395	25	250	3950	2			
995-SM08253411	SM08253411	25	250	4111	2			
995-SM08503395	SM08503395	50	250	3950	2			
995-SM08503411	SM08503411	50	250	4111	2			
995-SM08503452	SM08503452	50	250	4500	2			
995-SM08104411	SM08104411	100	250	4111	2			

PANE SERIES - NTC THROUGH HOLE THERMISTORS

Features:

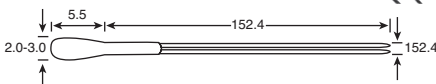
- Fast Response
- High Accuracy
- Cost Effective

Specifications:

- Tolerance: 10%
- Power Rating: 6.5mW
- Dissipation Constant: 3mW/°C

Applications:

- Transformers
- High Accuracy
- Air sensors/HVAC



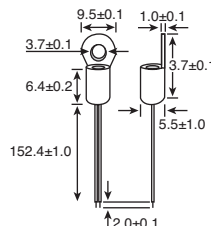
For quantities greater than listed, call for quote.

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



For quantities greater than listed, call for quote.

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			