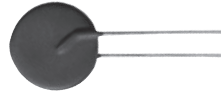


AMETHERM Inrush Current Limiters and NTC Thermistors

RoHS Compliant This page of product is RoHS compliant.

MEGASURGE MS SERIES - INRUSH CURRENT LIMITERS

- Specifications:**
- Tolerance: ±25%
- Applications:**
- AC motors
 - Frequency generators
 - Power supplies and battery chargers
 - Motor drives
 - Plasma cutting tools
 - MRI machines
 - Audio Amplifiers
 - Toroidal transformers
- Features:**
- Rugged design
 - Space saving



	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.	Mfr. Mfr. Part No.	Resis- tance (Ω)	Current Rating (A)	Energy (J)	Dissipation Constant (mW/°C)	Price Each		
						1	10	100
MS12 Series								
995—MS12-15102		150	2	110	12.7	2.45	2.22	1.52
MS15 Series								
995—MS15-30004		30	4.2	135	49.4	2.67	2.54	1.74
995—MS15-40004		40	4.1	135	49.4	2.99	2.70	1.85
MS22 Series								
995—MS22-10008		10	8	200	55	4.23	3.94	2.53
995—MS22-10008-B		10	8	200	55	4.23	3.94	2.53
995—MS22-20005		20	5	180	42.5	4.23	3.94	2.53
995—MS22-30005		30	5	150	45.4	4.23	3.94	2.53
995—MS22-50004		50	4	240	47.8	4.23	3.94	2.53
995—MS22-75004		75	4	240	51.8	4.23	3.94	2.53
995—MS22-12102		120	2	220	75.4	4.23	3.94	2.53
995—MS22-12103		120	3	220	75.4	4.23	3.94	2.53
995—MS22-12104		120	4	220	75.4	4.23	3.94	2.53
995—MS22-22103		220	3.5	75	45.4	4.23	3.94	2.53

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Mfr. Mfr. Part No.	Resis- tance (Ω)	Current Rating (A)	Energy (J)	Dissipation Constant (mW/°C)	Price Each		
						1	10	100
MS32 Series								
995—MS32-0R536		0.5	36	250	45.4	5.51	5.13	3.32
995—MS32-0R540		0.5	40	250	79.8	5.51	5.13	3.32
995—MS32-1R036		1	36	300	72	5.51	5.13	3.32
995—MS32-2R025		2	25	300	65.4	5.51	5.13	3.32
995—MS32-5R020		5	20	300	55.4	5.51	5.13	3.32
995—MS32-5R020-B		5	20	300	55.4	5.51	5.13	3.32
995—MS32-7R015		7	15	250	63.7	5.51	5.13	3.32
995—MS32-10015		10	15	250	63.7	5.51	5.13	3.32
995—MS32-15012		15	12	250	75.4	5.51	5.13	3.32
995—MS32-20008		20	8	250	45.5	5.51	5.13	3.32
995—MS32-20010		20	10	250	45.4	5.51	5.13	3.32
995—MS32-20010-B		20	10	250	45.4	5.51	5.13	3.32
995—MS32-50006		50	6	250	75.4	5.51	5.13	3.32
995—MS32-50006-L		50	6	250	75.4	5.51	5.13	3.32
MS35 Series								
995—MS35-0R550		0.5	50	900	78	9.24	8.58	5.61
995—MS35-1R040		1	40	800	78	9.24	8.58	5.61
995—MS35-2R035		2	35	750	96	9.24	8.58	5.61
995—MS35-3R030		3	30	750	78	9.24	8.58	5.61
995—MS35-10018		10	18	500	78	9.24	8.58	5.61
995—MS35-20010		20	10	500	80	9.24	8.58	5.61

NTC DISC THERMISTORS

- Features:**
- Wide Ohmic value range
 - Accurate and stable
 - High sensitivity
- Applications:**
- Fast thermal response time
 - Tight tolerances
 - Temperature compensation
 - Temperature Measurement / Control
 - Fan Motor Control
 - Fluid Level / Temperature Sensors

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Mfr. Mfr. Part No.	Resis- tance (Ω)	Beta (°K)	Price Each		
				1	10	100
995—1DA500J		50	3000	1.06	.98	.68
995—1DA101K		100	3000	.94	.87	.60
* 995—1DA101K-EC		100	3000	1.00	.92	.64
* 995—1DA101J-EC		100	3000	1.13	1.03	.72
995—1DA131K		130	3000	.94	.87	.60
995—1DA131J		130	3000	1.06	.98	.68
995—1DB102K		1K	3530	.94	.87	.60
* 995—1DB102K-EC		1K	3530	1.00	.92	.64
995—1DB102J		1K	3530	1.06	.98	.68
995—1DC302J		3K	3965	1.06	.98	.68
995—1DC502K		5K	3965	.94	.87	.60
* 995—1DC502J-EC		5K	3965	1.13	1.03	.72

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Mfr. Mfr. Part No.	Resis- tance (Ω)	Beta (°K)	Price Each		
				1	10	100
995—1DC103K		10K	3965	.94	.87	.60
* 995—1DC103K-EC		10K	3965	1.00	.92	.64
* 995—1DC103J		10K	3965	1.06	.98	.68
* 995—1DC103J-EC		10K	3965	1.13	1.03	.72
995—1DE104K		100K	4500	.94	.87	.60
* 995—1DE104K-EC		100K	4500	1.00	.92	.64
995—1DE104J		100K	4500	1.06	.98	.68
995—2DA200K		20	3000	.76	.72	.509
995—2DB101K		100	3530	.76	.72	.509
995—2DB101J		100	3530	.82	.75	.52
995—2DB102K		1K	3530	.76	.72	.509
995—2DB102J		1K	3530	.82	.75	.52



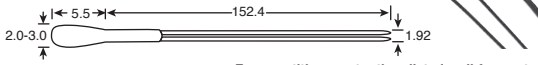
For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Mfr. Mfr. Part No.	Resis- tance (Ω)	Beta (°K)	Price Each		
				1	10	100
* 995—2DB102J-EC		1K	3530	.88	.81	.56
995—2DC102K		1K	3965	.76	.72	.509
995—2DC102J		1K	3965	.82	.75	.52
995—2DE103K		10K	4500	.76	.72	.509
995—2DE103J		10K	4500	.82	.75	.52
995—2DE503K		50K	4500	.76	.72	.509
995—3DA100K		10	3000	.85	.78	.54
995—3DB500K		50	3530	.85	.78	.54
995—3DB500J		50	3530	.94	.87	.60
995—3DE502K		5K	4500	.85	.78	.54

PANE SERIES - NTC THROUGH HOLE THERMISTORS

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

DIMENSIONS: mm



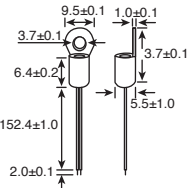
For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Mfr. Mfr. Part No.	Resistance (Ω)	Beta (°K)	Price Each		
				1	10	100
995—PANE501350		0.5	3500	2.20	1.99	1.36
995—PANE102350		1	3500	2.20	1.99	1.36
995—PANE202395		2	3950	2.20	1.99	1.36
995—PANE502395		5	3950	2.20	1.99	1.36
995—PANE103395		10	3950	2.20	1.99	1.36
995—PANE253411		25	4111	2.20	1.99	1.36
995—PANE104450		100	4500	2.20	1.99	1.36
995—PANE254450		250	4500	2.20	1.99	1.36

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

DIMENSIONS: mm



For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Mfr. Mfr. Part No.	Resistance (Ω)	Beta (°K)	Price Each		
				1	10	100
995—PANR102350		1	3500	2.67	2.42	1.65
995—PANR103395		10	3950	2.67	2.42	1.65
995—PANR104450		100	4500	2.67	2.42	1.65
995—PANR254450		250	4500	2.67	2.42	1.65

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.)

	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

SM04 Series, 1005 Case Size

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Mfr. Mfr. Part No.	Resis- tance (Ω)	Power Rating (mW)	Beta (°K)	Dissipation Constant (mW/°C)	Price Each		
						1	10	100
995—SM04202302		2	125	3000	1.1	.60	.571	.398
995—SM04502345		5	125	3450	1.1	.60	.571	.398



SM06 Series, 1610 Case Size

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Mfr. Mfr. Part No.	Resis- tance (Ω)	Power Rating (mW)	Beta (°K)	Dissipation Constant (mW/°C)	Price Each		
						1	10	100
995—SM06502345		5	200	3450	1.5	.73	.698	.487
995—SM06103395		10	200	3950	1.5	.73	.698	.487

SM08 Series, 2012 Case Size

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Mfr. Mfr. Part No.	Resis- tance (Ω)	Power Rating (mW)	Beta (°K)	Dissipation Constant (mW/°C)	Price Each		
						1	10	100
995—SM08202345		2	250	3450	2	.73	.698	.487
995—SM08502395		5	250	3950	2	.73	.698	.487
995—SM08503395		50	250	3950	2	.73	.698	.487