

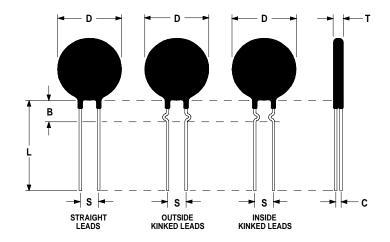
DATA SHEET

Part Number: MS12 15102

Ordering Different Lead Types:

Inside Kinked Leads	Use -A after Ametherm's part #
Outside Kinked Leads	Use -B after Ametherm's part #

For example: to order an inside kinked lead use part number MS12 15102-A



Electrical Specifications:

Resistance @ 25°C	$150.0~\Omega\pm25\%$
Max Steady State Current Up to 65°C	2.0 A
Max Recommended Energy Rating (Joules)	110.0 J
Actual Failure Point of Instantaneous Energy (Joules)	231.0 J
Resistance @ 100% of Max Current	1.040 Ω
Resistance @ 50% of Max Current	2.700 Ω
Body Temperature @ 100% Current Rating	172 °C
Dissipation Constant	12.7 mW/°C
Thermal Time Constant	71 seconds
Material Type	"I"
Max Recommended Capacitance @ 120/240/440 VAC	7500μF/1900μF/
	570μF

Mechanical Specifications:

$\begin{array}{cccc} D & 12.0 \pm 0.5 \text{ mm} \\ T & 7.0 \pm 1.3 \text{ mm} \\ Lead Diameter & 1.0 \pm 0.1 \text{ mm} \\ S & 7.8 \pm 2.0 \text{ mm} \\ L & 38.0 \pm 9.0 \text{ mm} \\ Straight Leads & 5.0 \pm 1.0 \text{ mm} \\ Coating Run Down & & & & & & \\ B & 6.35 \pm 0.60 \text{ mm} \\ C & 3.42 \pm 0.5 \text{ mm} \end{array}$		
Lead Diameter $1.0 \pm 0.1 \text{ mm}$ S $7.8 \pm 2.0 \text{ mm}$ L $38.0 \pm 9.0 \text{ mm}$ Straight Leads $5.0 \pm 1.0 \text{ mm}$ Coating Run Down $6.35 \pm 0.60 \text{ mm}$	D	$12.0 \pm 0.5 \text{ mm}$
$\begin{array}{ccc} S & 7.8 \pm 2.0 \text{ mm} \\ L & 38.0 \pm 9.0 \text{ mm} \\ \text{Straight Leads} & 5.0 \pm 1.0 \text{ mm} \\ \text{Coating Run Down} & \\ B & 6.35 \pm 0.60 \text{ mm} \end{array}$	T	$7.0 \pm 1.3 \text{ mm}$
L $38.0 \pm 9.0 \text{ mm}$ Straight Leads $5.0 \pm 1.0 \text{ mm}$ Coating Run Down B $6.35 \pm 0.60 \text{ mm}$	Lead Diameter	$1.0 \pm 0.1 \text{ mm}$
Straight Leads $5.0 \pm 1.0 \text{ mm}$ Coating Run Down B $6.35 \pm 0.60 \text{ mm}$	S	$7.8 \pm 2.0 \text{ mm}$
Coating Run Down 6.35 ± 0.60 mm	L	$38.0 \pm 9.0 \text{ mm}$
B $6.35 \pm 0.60 \text{ mm}$	Straight Leads	$5.0 \pm 1.0 \text{ mm}$
2 0.33 ± 0.00 mm	Coating Run Down	
C $3.42 \pm 0.5 \text{ mm}$	В	$6.35 \pm 0.60 \text{ mm}$
	С	$3.42 \pm 0.5 \text{ mm}$

Revision Date: March 19, 2003

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