



## Product Description

EMS Material Designation	LA125R10
ASTM Type	
Numer of Layers	3
Standard Marking	TRUFLEX LA125R10
Remarks	Intermediate Electrical Resistivity with Medium Flexivity

## Chemical Composition

	<u>Grade</u>	<u>Chemistry</u>
High Expansion Alloy	Alloy LA	20% Ni, 6% Mn, Bal Fe
Center Layer	C50500	Cu, 1.3% Sn
Low Expansion Alloy	Alloy 10	36% Ni, Bal Fe

## Thermostatic Properties

### ENGLISH

### METRIC

ASTM Flexivity	(100-266°F)	140 X 10 <sup>-7</sup> (in/in)/°F	
Specific Curvature	(38-149°C)		25.2 X 10 <sup>-6</sup> (mm/mm)/°C
Maximum Sensitivity Temperature Range		0 to 300°F	-20 to 150°C
Useful Deflection Temperature Range		-100 to 500°F	-70 to 260°C
Recommended Maximum Temperature		500°F	260°C
Electrical Resistivity @ 75°F (24°C)		115.6 to 134.4 *0CMF	0.192 to 0.223 uohms-m

## Physical Properties

### ENGLISH

### METRIC

Density	0.296 Lb/in <sup>3</sup>	8.19 g/cm <sup>3</sup>
Modulus of Elasticity (E)	23 Msi	159 GPa

\*Ohms-Circular-Mil / Foot