

## FEATURES

- Flameproof and inorganic
- Higher power rating due to heat sink capacity
- All welded construction
- Nonhygroscopic
- High surge construction

## SPECIFICATIONS

### Electrical

**Wattage:** Based on a 275°C "U" characteristic derating curve

**Temperature coefficient:**

≥18 ohm: 0 ±90ppm/°C  
 8 < 18 ohm: 0 ±50ppm/°C  
 <8 ohm: 0 ±180ppm/°C  
 (TC for some watt/ohm combinations may be lower)

**Dielectric strength:** Terminal to case, depends on terminal style (1500V min.)

**Creepage:**

term. style 277: 1.2"  
 term. style 278: 0.4"  
 term. style 276: 0.7"  
 term. styles 211/252/279: 0.15"

**Termination Wires**

- Stranded, available in any insulation rated 125°C or higher (may require term. style 297).
- Custom cut/stripped lengths
- Can be potted or pre-soldered to terminal styles 211 or 252
- Quick connect (fully or partially insulated), ring or spade terminations available

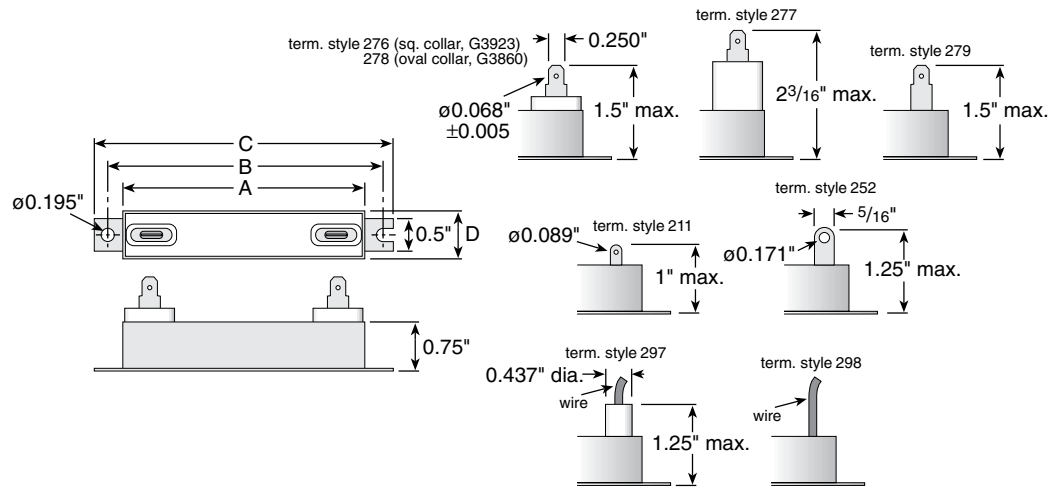
**Dielectric Sleeves**

- Steatite construction
- Style 276 meets UL/NEMA 2500V RMS for one minute requirement
- Available as terminal styles 276, 277, 278, 297



# Metalohm Series

## Cold Rolled Steel Encased Wirewound Heatsinkable Radial Terminal



Style	Watts		Dimensions (inches)				Ohmic range**
	w/o heat sink	w/ heat sink*	A	B	C	D	
20/45M	20	45	1	1 <sup>7</sup> / <sub>16</sub>	1 <sup>7</sup> / <sub>8</sub>	3/4	0.05-6K
40/70M	40	70	2 <sup>9</sup> / <sub>16</sub>	3	3 <sup>7</sup> / <sub>16</sub>	3/4	1.0-25K
HV40-70M	40	70	2 <sup>9</sup> / <sub>16</sub>	3	3 <sup>7</sup> / <sub>16</sub>	7/8	1.0-25K
50/100M	50	100	3 <sup>11</sup> / <sub>16</sub>	4 <sup>1</sup> / <sub>8</sub>	4 <sup>9</sup> / <sub>16</sub>	3/4	1.5-47.5K
60/115M	60	115	5 <sup>9</sup> / <sub>16</sub>	6	6 <sup>7</sup> / <sub>16</sub>	3/4	2.5-81K
85/150M	85	150	7 <sup>1</sup> / <sub>2</sub>	8	8 <sup>1</sup> / <sub>2</sub>	3/4	4.5-100K

\*Based on a 12"x12"x1/8" aluminum heat sink, using a thermal compound, in a 25°C ambient  
 \*\*Standard winding ranges only listed, other values available; contact Ohmite.

## DIELECTRIC STRENGTH

Terminal Type	211	252, 279	276	278	277	297	298
Style	Dielectric Strength						
20/45M	1500	N/A	N/A	N/A	N/A	2500V	2500V
40/70M	1500	1500	2500	2500	N/A	2500V	2500V
HV40/70M	N/A	N/A	N/A	N/A	4250	N/A	N/A
50/100M	1500	1500	2500	2500	N/A	2500V	2500V
60/115M	1500	1500	2500	2500	N/A	2500V	2500V
85/150M	1500	1500	2500	2500	N/A	2500V	2500V

## OPTIONS

- Noninductive versions (Aryton-Perry windings)
- Terminal sleeves to increase dielectric strength and maximize creepage distance
- Variety of terminal choices
- Potted or soldered wire terminals including quick connect, ring, spade terminals
- Tapped models

**ORDERING INFORMATION**

RoHS Compliant

**40/70M N J 10K 50 A E**

<p><b>Style</b></p>	<p><b>Non-inductive (optional)</b></p> <p><b>Tolerance</b> K = 10% J = 5%</p>	<p><b>Ohms</b> 00R05 = 0.05 00R50 = 0.50 1R000 = 1.00 1K000 = 1,000 10K50 = 10,500</p>	<p><b>Terminal Type</b> A = 211 E = 277 B = 252 F = 278 C = 279 G = 297 D = 276 H = 298</p>
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