

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

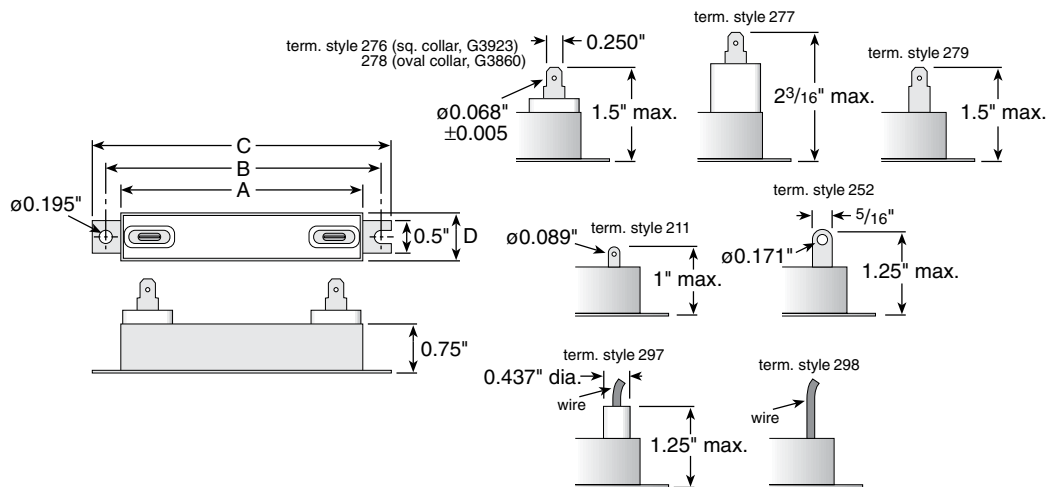
Dielectric Sleeves

- 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



Watts			Dimensions (inches)				Ohmic range**
Style	w/o heat sink	w/ heat sink*	A	B	C	D	
20/45M	20	45	1	1 ⁷ / ₁₆	1 ⁷ / ₈	3 ³ / ₄	0.05-6K
40/70M	40	70	2 ⁹ / ₁₆	3	3 ⁷ / ₁₆	3 ³ / ₄	1.0-25K
HV40/70M	40	70	2 ⁹ / ₁₆	3	3 ⁷ / ₁₆	7 ⁷ / ₈	1.0-25K
50/100M	50	100	3 ¹¹ / ₁₆	4 ¹ / ₈	4 ⁹ / ₁₆	3 ³ / ₄	1.5-47.5K
60/115M	60	115	5 ⁹ / ₁₆	6	6 ⁷ / ₁₆	3 ³ / ₄	2.5-81K
85/150M	85	150	7 ¹ / ₂	8	8 ¹ / ₂	3 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 Style	Type 211	252, 279	276	278	277	297	298
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

40/70M				J10K50AE		RoHS Compliant	
Style	Non-inductive (optional)	Tolerance	Ohms	Terminal Type			
		K = 10%	00R05 = 0.05	A = 211	E = 277		
		J = 5%	00R50 = 0.50	B = 252	F = 278		
			1R000 = 1.00	C = 279	G = 297		
			1K000 = 1,000	D = 276	H = 298		
			10K50 = 10,500				

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Ohmite:

<u>40/70MNJ2R00DE</u>	<u>40/70MNJ5R00DE</u>	<u>40/70MNJ10R0DE</u>	<u>40/70MNJ25R0DE</u>	<u>40/70MNJ50R0DE</u>
<u>40/70MNJ100RDE</u>	<u>40/70MNJ500RDE</u>	<u>50/100MNJ5R00DE</u>	<u>50/100MNJ10R0DE</u>	<u>50/100MNJ25R0DE</u>
<u>50/100MNJ50R0DE</u>	<u>50/100MNJ100RDE</u>	<u>50/100MNJ250RDE</u>	<u>50/100MNJ500RDE</u>	<u>60/115MNJ5R00DE</u>
<u>60/115MNJ10R0DE</u>	<u>60/115MNJ25R0DE</u>	<u>60/115MNJ50R0DE</u>	<u>60/115MNJ75R0DE</u>	<u>60/115MNJ100RDE</u>
<u>60/115MNJ250RDE</u>	<u>60/115MNJ500RDE</u>	<u>60/115MNJ750RDE</u>	<u>60/115MNJ1K00DE</u>	<u>50/100MNJ1K000BE</u>
<u>50/100MNJ25K00A</u>	<u>50/100MNJ20K00A</u>			