## **Metalohm Series**

## Cold Rolled Steel Encased Wirewound Heatsinkable Radial Terminal



#### FEATURES

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

#### 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



#### SERIES SPECIFICATIONS

Style	Watts w/o heat sink	Watts w/ heat sink*	Ohmic range**	
20/45M	20	45	0.05-6K	
40/70M	40	70	1.0-25K	
HV40-70N	1 40	70	1.0-25K	
50/100M	50	100	1.5-47.5K	
60/115M	60	115	2.5-81K	
85/150M	85	150	4.5-100K	

<sup>\*</sup>Based on a 12"x12"x0.125" aluminum heat sink, using a thermal compound, in a 25°C ambient

#### CHARACTERISTICS

Wattage	Based on a 275°C "U" characteristic derating curve
<u>-</u>	≥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).  12" standard length for term. 297 & 298 (custom lengths available)  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

#### Dielectric Strength/Terminal Availability

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

(continued)



· Available as terminal styles 276, 277, 278, 297

<sup>\*\*</sup>Standard winding ranges only listed, other values available; contact Ohmite.

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#### DIMENSIONS (in.) term. style 277 **←** 0.250' term. style 276 (sq. collar, G3923) 278 (oval collar, G3860) term. style 279 23/16" max. ø0.068 1.5" max. 1.5" max. ±0.005 В term. style 252 Α ø0.195" Ø0.089"\_ term. style 211 → | ← 5/16" ø0.171 1.25" max. 1" max. 0.75" term. style 298 dia. wire 1.25" max. D Style В C 20/45M 1 **1**<sup>7</sup>/16 1<sup>7</sup>/8 $^{3}/_{4}$ 40/70M 2<sup>9</sup>/16 3<sup>7</sup>/16 3/4 3 HV40-70M 2<sup>9</sup>/16 3 3<sup>7</sup>/16 7/8 3/4 311/16 **4**<sup>9</sup>/16 50/100M $4^{1}/8$ 3/4 60/115M 5<sup>9</sup>/16 6 6<sup>7</sup>/16

#### ORDERING INFORMATION

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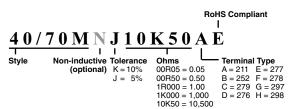
81/2

3/4

 $7^{1}/_{2}$ 

85/150M

Not all terminal types available for all Metalohm sizes



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VK100NA-750 40/70MJ2K00BE VP10FA-3K VP50KA-20K VPR10F1 VPR10F-13.5K VPR10F-4500 VPR10F-4.5K VPR10F-4K

VPR10F-700 VPR10F-7.5K VPR20H150 VPR5F-22.5K L75J1K0E VRH320 3K3 K RER65F2940PC02 RER75F1R00RC02

RER70F27R4P VPR5F-600 VPR5F250 VPR10F-8K VPR10F-6K VPR10F225 VPR10F-1.75K VPR10F-1.25K VPR10F-125 VPR10F10

VP50KA-12K VP50KA-100K VP25KA-5000 VK100NA250 VK100NA-15 620-5R00-FBW L100J150E-MT1 L50J500E-MT1 VPR10F-8.5K