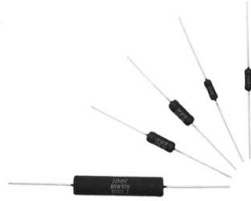


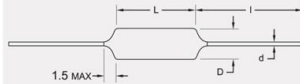
HMR



Features

- COMPLETE WELDED CONSTRUCTION
- WIDE RESISTANCE RANGE : 0.1Ω~100KΩ
- TOLERANCE FROM : ±0.05%
- AVAILABLE ON TAPE & REELED : 1W TO 5W
- HIGH TEMPERATURE SILICONE COATED
- AVAILABLE IN NON-INDUCTIVE STYLE (TYPE N)
- SPECIAL MATCHING AVAILABLE (T.C.R AND TOLERANCE)

Dimension



TYPE	DIMENSIONS (mm)			
	D (±0.8)	L (±1.5)	d (±0.02)	I (±1)
ARW-0.5	3.30	10.0	0.7	37
ARW-1	4.00	12.0	0.8	37
ARW-2	4.70	13.8	0.8	35
ARW-3	5.90	15.7	0.8	35
ARW-5	8.52	22.5	1.0	44
ARW-7	8.52	24.5	1.0	44
ARW-10S	8.52	39.2	1.0	35
ARW-10L	10.50	46.2	1.0	33

Material Specifications

CORE :

- CERAMIC-STEATITE OR ALUMINA, DEPENDING ON PHYSICAL SIZE

END CAPS :

- STEEL CAPS

ELEMENT :

- COPPER-NICKEL ALLOY OR NICKEL-CHROME ALLOY, DEPENDING ON RESISTANCE VALUE.

COATING :

- SPECIAL HIGH TEMPERATURE SILICONE

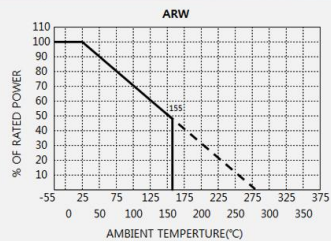
STANDARD TERMINAL :

- TINNED COPPERWELD

Electrical Specifications

TYPE	WATTAGE RATING(W)	MAXIMUM WORKING VOLTAGE	RES. RANGE(Ω)		TEMPERATURE COEFFICIENT - BELOW 1Ω : ±90 PPM / °C - 1Ω ~ 9.9Ω : ±50PPM / °C - 10 Ω AND ABOVE : ±20PPM / °C (CONSULT FACTORY FOR SPECIAL T.C.R REQUIREMENT)
			W(0.1-)	N(0.1-)	
ARW-0.5	0.5W	20	3K	1.5K	TEMPERATURE COEFFICIENT - 500VAC MINIMUM
ARW-1	1W	50	8K	3K	
ARW-2	2W	100	10K	4K	INSULATION RESISTANCE - 1000 MEG OHM MINIMUM DRY, 100MEG OHM MINIMUM AFTER MOISTURE TEST
ARW-3	3W	200	18K	9K	
ARW-5	5W	400	35K	17K	
ARW-7	7W	450	50K	25K	
ARW-10S	10W	700	70K	35K	
ARW-10L	10W	800	100K	50K	

Derating Curve



Derating

- HMR WIRE WOUND RESISTORS HAVE AN OPERATING TEMPERATURE RANGE -55°C ~ +350°C
- THEY MUST BE DERATED AT HIGH AMBIENT TEMPERATURE ACCORDING TO THE CURVES ON ABOVE

Performance

TEST	HMR Maximum
LOAD LIFE	±(.5% + 0.05Ω) ΔR
MOISTURE RESISTANCE	±(.2% + 0.05Ω) ΔR
TEMP COEFFICIENT	20 ~90 PPM/°C
THERMAL SHOCK	±(.2% + 0.05Ω) ΔR
SHORT TIME-OVERLOAD	±(.2% + 0.05Ω) ΔR
DIELECTRIC	±(.1% + 0.05Ω) ΔR
LOW TEMP STORAGE	±(.2% + 0.05Ω) ΔR
HIGH TEMP EXPOSURE	±(.5% + 0.05Ω) ΔR
SHOCK	±(.1% + 0.05Ω) ΔR
VIBARATION	±(.1% + 0.05Ω) ΔR
TERMINAL STRENGTH	±(.1% + 0.05Ω) ΔR

How to Order

