

HMR



Features

- TOLERANCE FROM : $\pm 5\%$
- AVAILABLE ON TAPE & REELED : 1W TO 5W
- HIGH TEMPERATURE SILICONE COATED
- AVAILABLE IN NON-INDUCTIVE STYLE (TYPE N)
- COMPLETE SELDED CONSTRUCTION

Dimension



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

Material Specifications

CORE :

- CERAMIC-STEATITE OR ALUMINA, DEPENDING ON PHYSICAL SIZE

ELEMENT :

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

END CAPS :

- STEEL CAPS

COATING :

- SPECIAL HIGH TEMPERATURE SILICONE

STANDARD TERMINAL :

- TINNED COPPERWELD

Electrical Specifications

TYPE	WATTAGE RATING(W)	MAXIMUM WORKING VOLTAGE	RES. RANGE(Ω)	
			W (0.05~)	N (0.05~)
JRW-0.5	0.5	6	80	40
JRW-1	1	12	150	80
JRW-2	2	20	200	100
JRW-3	3	30	360	180
JRW-5	5	70	1K	500
JRW-7	7	80	1K	500
JRW-10S	10	100	2K	1K
JRW-10L	10	150	3K	1.5K

TEMPERATURE COEFFICIENT

- 500 VAC MINIMUM

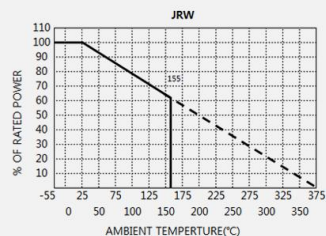
INSULATION RESISTANCE

- 1000 MEG OHM MINIMUM DRY, 100MEG OHM MINIMUM AFTER MOISTURE TEST

RESISTANCE TOLERANCE

SIMBOL	H	J	K
TOLERANCE	$\pm 3\%$	$\pm 5\%$	$\pm 10\%$

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	$\pm(3\% + 0.05\Omega) \triangle R$
MOISTURE RESISTANCE	$\pm(2\% + 0.05\Omega) \triangle R$
TEMP COEFFICIENT	100 PPM/°C AND ABOVE
THERMAL SHOCK	$\pm(2\% + 0.05\Omega) \triangle R$
SHORT TIME-OVERLOAD	$\pm(2\% + 0.05\Omega) \triangle R$
LOW TEMP STORAGE	$\pm(2\% + 0.05\Omega) \triangle R$
HIGH TEMP EXPOSURE	$\pm(5\% + 0.05\Omega) \triangle R$
DIELECTRIC	$\pm(0.1\% + 0.05\Omega) \triangle R$
VIBARATION	$\pm(0.2\% + 0.05\Omega) \triangle R$
SHOCK	$\pm(0.2\% + 0.05\Omega) \triangle R$
TERMINAL STRENGTH	$\pm(1\% + 0.05\Omega) \triangle R$

How to Order

