

HMR



Features

- LOW COST & SWIFT DELIVERY
- TAPE & AMMO PACKAGE
- COLOR BAND MARKING
- AVAILABLE NON-INDUCTIVE

Dimension



TYPE	DIMENSION (mm)			
	D (±0.8)	L (±1.5)	d (±0.02)	l (MIN)
ERW-1	4.00	12.0	0.8	37
ERW-2	4.70	13.8	0.8	35
ERW-3	5.90	15.7	0.8	35

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-)
ERW-1	1	3	80	40
ERW-2	2	6	150	80
ERW-3	3	9	200	100

LOAD LIFE

- ± 3% MAX ΔR

TEMP. COEFFICIENT

- 100 PPM/°C & ABOVE

DIELECTRIC STRENGTH

- 500VAC MIN.

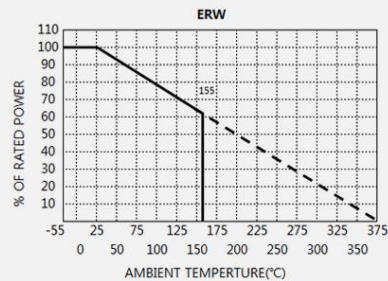
TOLERANCE

- ± 5% STANDARD

INSULATION RESISTANCE

- 1,000 MEG OHM MIN.

Derating Curve



Derating

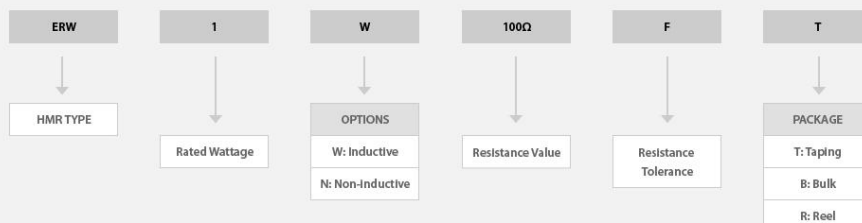
- HMR WIRE WOUND RESISTORS HAVE AN OPERATING TEMPERATURE RANGE -55°C ~ +350°C
- THEY MUST BE DERATED AT HIGH AMBIENT TEMPERATURE ACCORDING TO THE CURVES ON ABOVE

Codes and Preferred Numbers for Fixed Resistor

Colour	0	1	2	3	4	5	6	7	8	9	Multiplier	Tolerance
Silver 银色											X 0.01 Ω	±10%
Gold 金色											X 0.1 Ω	±5%
Black	0	0	0								X 1 Ω	±1%
brown	1	1	1								X 10 Ω	±1%
red	2	2	2								X 100 Ω	±2%
orange	3	3	3								X 1k Ω	±3%
yellow	4	4	4								X 10k Ω	±5%
green	5	5	5								X 100k Ω	±0.5%
blue	6	6	6								X 1M Ω	±0.25%
violet	7	7	7								X 10M Ω	±0.1%
grey	8	8	8								X 100M Ω	
white	9	9	9								X 1G Ω	
none												±20%

Four bands-first band 6.9k 5%

How to Order



*Specifications given herein may be changed at any time without prior notice. Please confirm technical specifications before your order and/or use.