

HMR

NEW

HMR

16mΩ

5W

16mΩ

5W

HMR

16mΩ

10W

16mΩ

10W

Features

- MOLDED HIGH-TEMPERATURE ENCAPSULATION

- NON-INDUCTIVE STYLES

Dimension

MPS 5W, 10W

A

D

B

C

E

F

G

H

TYPE	DIMENSION (mm)							
	A (±0.3)	B (±0.3)	C (±0.3)	D (±0.3)	E (±0.3)	F	G (±0.3)	H (±0.3)
MPS 5W	8.0	10.	5.2	6.5	4.0	0.4	0.3	3.2
MPS 10W	8.0	14.0	5.2	5.0	8.0	0.4	0.3	3.2

Material Specifications

ELEMENT
: COPPER-NICKEL ALLOY OR FE-CHROME ALLOY

MOLDING
: SPECIAL HIGH TEMPERATURE ENCAPSULATION

STANDARD TERMINALS
: TINNED COPPER ALLOY

Electrical Specifications

TYPE	RATED WATTAGE(W)	RESISTANCE RANGE(Ω)
MPS 5W	5	0.003~0.05
MPS 10W	10	0.003~0.05

RESISTANCE TOLERANCE
5%, 3%, 1%

TEMPERATURE COEFFICIENT
20~60PPM

DIELECTRIC STRENGTH
500 VAC

INSULATION RESISTANCE
1000 MEG OHM MINIMUM DRY
1000 MEG OHM AFTER MOISTURE TEST

SHORT TIME OVERLOAD
5 SECONDS AT 5 TIMES RATED POWER

Derating Curve

100

80

60

40

20

0

% OF RATED POWER

70

155

AMBIENT TEMPERATURE(°C)

Performance	
TEST	HMR Maximum
LOAD LIFE	±(5% + 0.05Ω) ΔR
MOISTURE RESISTANCE	±(2% + 0.05Ω) ΔR
SHORT TIME-OVERLOAD	±(2% + 0.05Ω) ΔR
DIELECTRIC	±(1% + 0.05Ω) ΔR
THERMAL SHOCK	±(2% + 0.05Ω) ΔR
LOW TEMP STORAGE	±(2% + 0.05Ω) ΔR
HIGHTEMP EXPOSURE	±(5% + 0.05Ω) ΔR
SHOCK	±(1% + 0.05Ω) ΔR
VIBRATION	±(1% + 0.05Ω) ΔR

Packaging

EMBOSSED ACRIER TAPE PER
EIA-481-1.2
TAPE WIDTHS :
MPS-0.5 = 12.1MM/1000
MPS-1 = 16MM/1000

PIECES/7'REEL
PIECES/7'REEL

Part Marking

1 WATT STYLE
- HMR
- VALUE AND TOLERANCE

How to Order

MPS - 1

HMR Type

10m

RESISTANCE VALUE

1%

TOLERANCE

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