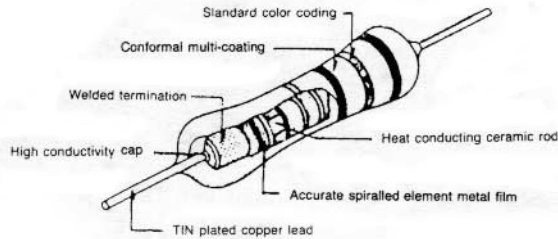


Standard (RN) & Miniature (RNM)

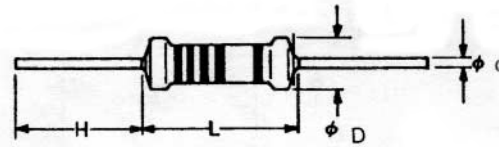
## INTRODUCTION

The MEGASTAR-OHM RN series Metal Film Resistors are manufactured using a vacuum sputtering system to deposit multiple layers of mixed metals and passive materials onto a carefully treated high grade ceramic substrate, the resistors are coated with layers of light-blue lacquer.

The MEGASTAR-OHM resistors, RN series encompasses an unusually broad selection of power ratings (1/8W, 1/4W, 1/2W, 1W, 2W, at 70°C), tolerance ( $\pm 0.1\%$ ,  $0.25\%$ ,  $0.5\%$ ,  $1\%$ ) and temperature coefficient ( $\pm 15\text{ppm}/^\circ\text{C}$ ,  $25\text{ppm}/^\circ\text{C}$ ,  $50\text{ppm}/^\circ\text{C}$ ,  $100\text{ppm}/^\circ\text{C}$ ) in all their combinations with full MIL-R-10509 performance.



DIMENSIONS: (mm)



## General Specifications

Internal Code	MIL Style	Type	Power Rating (W)		Max Working Voltage		Max Overload Voltage		Dimension (mm)			
			70%	125°C	70%	125°C	70%	125°C	L	D	H	d $\pm 0.02$
R12	RN-50	RN 1/8	0.125W	0.05W	200	150	400	300	3.2 $\pm 0.2$	1.5 $\pm 0.2$	28 $\pm 1.0$	0.48
R16	RN-50	RN 1/6	0.125W	0.05W	200	150	400	300	3.2 $\pm 0.2$	1.5 $\pm 0.2$	28 $\pm 1.0$	0.48
R18	RN-55	RNM 1/4	0.25W	0.125W	250	200	500	400	3.2 $\pm 0.2$	1.5 $\pm 0.2$	28 $\pm 1.0$	0.48
R25	RN-55	RN 1/4	0.25W	0.1W	250	200	500	400	6.0 $\pm 0.3$	2.3 $\pm 0.3$	28 $\pm 1.0$	0.60
R33	RN-60	RNM 1/2	0.5W	0.25W	350	250	700	500	6.0 $\pm 0.5$	2.3 $\pm 0.3$	28 $\pm 1.0$	0.60
R50	RN-60	RN 1/2	0.5W	0.125W	350	250	700	500	9.0 $\pm 0.5$	3.0 $\pm 0.5$	28 $\pm 1.0$	0.70
RN 1	RN-65	RN 1	1W	0.25W	500	300	1000	600	11 $\pm 1.0$	4.0 $\pm 0.5$	35 $\pm 3.0$	0.80
RN 2	RN-70	RN 2	2W	0.5W	500	350	1000	700	15 $\pm 1.0$	5.0 $\pm 0.5$	35 $\pm 3.0$	0.80

## Part Numbering system

RN

Type
RN RNM

1/4

Rated Power
1/8W ↓ 2W

1%

Resistance tolerance
$\pm 0.1\%$
$\pm 0.25\%$
$\pm 0.5\%$
$\pm 1\%$
$\pm 2\%$
$\pm 5\%$

2K2

Nominal Resistance		
Code	Description	
2R21	2.21	OHMs
22R0	22.0	OHMs
2K21	2.21X10 <sup>3</sup>	OHMs
22K1	22.1X10 <sup>3</sup>	OHMs
22M1	22.1X10 <sup>6</sup>	OHMs

TR

Packaging	
Code	Description
B	Bulk
TR	Tape & Reel
TB	Tape & Box
PATR	Avisert T/R
PNTR	Panasert T/R

