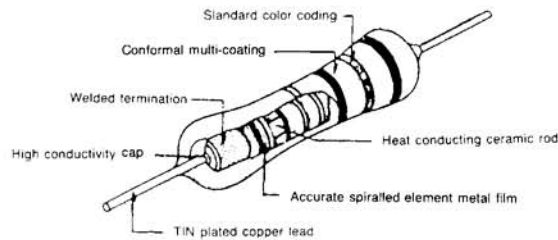


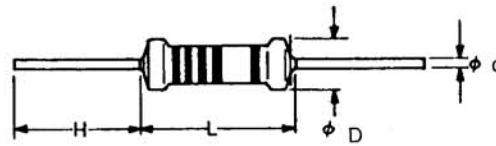
# METAL FILM FIXED RESISTORS

## INTRODUCTION

MF series is a group of metal film-fixed resistors applying high Aluminum content base material vacuum sputtered by Ni-Cr alloy and excellent heat- and wet-proof special resin for protective coating. Those resistors are manufactured through integrated automatic production system and then have good stable and uniform property. Furthermore, they show excellent performance regardless open in air.



## DIMENSIONS



## GENERAL SPECIFICATIONS

MIL STYLE	STYLE	POWER RATING (W)		DIMENSION (mm)				MAX WORKING VOLTAGE		MAX OVERLOAD VOLTAGE	
		70°C	125°C	L	D	H(MIN)	d	70°C	125°C	70°C	125°C
RN-50	MF-12	0.125W	0.05W	3.7 ± 0.4	1.5 ± 0.2	27	0.45 ± 0.02	200	150	400	300
RN-50	MF-16	0.125W	0.05W	3.7 ± 0.4	1.5 ± 0.2	27	0.45 ± 0.02	200	150	400	300
RN-55	MF-25	0.25W	0.1W	6.5 ± 0.5	2.3 ± 0.2	27	0.56 ± 0.02	250	200	500	400
RN-60	MF-50	0.5W	0.125W	9.0 ± 1	3.5 ± 0.5	27	0.56 ± 0.02	350	250	700	500
RN-65	MF-100	1W	0.25W	12 ± 1.0	4.5 ± 0.5	27	0.80 ± 0.03	500	300	1000	600
RN-70	MF-200	2W	0.5W	16 ± 1.0	5.5 ± 0.5	27	0.80 ± 0.03	500	350	1000	700

## RESISTANCE RANGE

STYLE	MIL STYLE	TOLERANCE	TC ± 25PPM/°C	TC ± 100PPM/°C TC ± 50PPM/°C	TC ± 200PPM/°C
MF-12 MF-16	RN-50	± 1% ± 0.5% ± 0.25% ± 0.1%	100Ω-100KΩ 100Ω-100KΩ 100Ω-100KΩ 100Ω-100KΩ	51.1Ω-511KΩ 51.1Ω-511KΩ 51.1Ω-511KΩ	5.11Ω - 5.11M
MF-25	RN-55	± 1% ± 0.5% ± 0.25% ± 0.1%	51.1Ω-511KΩ 51.1Ω-511KΩ 100Ω-330KΩ 100Ω-100KΩ	5.11Ω-2.4MΩ 5.11Ω-2.4MΩ	5.11Ω - 5.11M
MF-50	RN-60	± 1% ± 0.5% ± 0.25% ± 0.1%	51.1Ω-1MΩ 51.1Ω-1MΩ 100Ω-511KΩ 100Ω-330KΩ	5.11Ω-2.4MΩ 5.11Ω-2.4MΩ 5.11Ω-2.4MΩ	5.11Ω - 5.11M
MF-100	RN-65	± 1% ± 0.5% ± 0.25% ± 0.1%	51.1Ω-1MΩ 51.1Ω-1MΩ 100Ω-511KΩ 100Ω-330KΩ	5.11Ω-2.4MΩ 5.11Ω-2.4MΩ	5.11Ω - 5.11M
MF-200	RN-70	± 1% ± 0.5% ± 0.25% ± 0.1%	51.1Ω-1MΩ 51.1Ω-1MΩ 100Ω-511KΩ 100Ω-330KΩ	5.11Ω-5.11MΩ 5.11Ω-5.11MΩ	5.11Ω - 5.11M