PRECISION METAL FILM RESISTOR

PART NUMBER DESCRIPTION (for order booking)

MR25	PS	100K	F	100	TR
Type & Wattage	Lead Style	Res. Value	Res. Tol.	TC	Package

(1) Type & Wattage: Metal film Resistors
MR12 (1/8W) MR25 (1/4W) MR50 (1/2W) MR100 (1/W) MR200 (2W)

(2) Lead Style: PS - Horizontal Type

(3) Resistance Value: in Ohm (Ω)

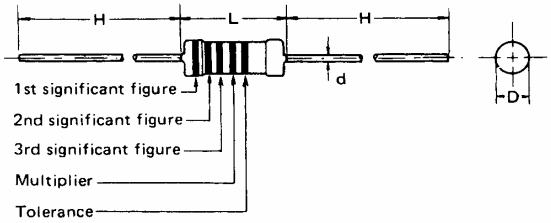
Ohm	0.475	1	4.75	10	100	1000	4750	10000	1000000
Code No.	R475	1	4R75	10	100	1K	4K75	10K	1M

(4) Resistance Tolerance: A=±0.05% B=±0.1% C=±0.25% D=±0.5% F=±1%

(5) Temperature Coefficient: 15 – 15PPM
25 – 25PPM
50 – 50PPM
100 – 100PPM

(6) Package: It is omitted when the resistors are in bulk package.
TR: Tape/Reel, **TB:** Tape/Box

DIMENSIONS: (Unit:mm)



TYPE SIZE	L	D	H	d
MR-12 (1/8W)	3.3± 0.4	1.8±0.3	28±2.0	0.50±0.05
MR-25 (1/4W)	6.3±0.5	2.3±0.3	28±2.0	0.60±0.05
MR-50 (1/2W)	9.0±0.5	3.2±0.5	26±2.0	0.60±0.05
MR-100 (1W)	11.5±1.0	4.5±0.5	35±2.0	0.80±0.05
MR-200 (2W)	15.5±1.0	5.0±0.5	32±2.0	0.80±0.05

COLOR CODE

Color	1st Digit	2nd Digit	3rd Digit	Multi-Plier	Tol.
Black	0	0	0	10	—
Brown	1	1	1	10-2	±1%
Red	2	2	2	10^2	±2%
Orange	3	3	3	10^3	—
Yellow	4	4	4	10^4	—
Green	5	5	5	10^5	±0.5%
Blue	6	6	6	10^6	±0.25%
Violet	7	7	7	10^7	±0.1%
Gray	8	8	8	10^8	—
White	9	9	9	10^9	—
Gold	—	—	—	10^ -1	±5%
Silver	—	—	—	10^ -2	—

STANDARD RESISTANCE VALUE (E-96 Series)

10.0	12.1	14.7	17.8	21.5	26.1	31.6	38.3	46.4	56.2	68.1	82.5
10.2	12.4	15.0	18.2	22.1	26.7	32.4	39.2	47.5	57.6	69.8	84.5
10.5	12.7	15.4	18.7	22.6	27.4	33.2	40.2	48.7	59.0	71.5	86.6
10.7	13.0	15.8	19.1	23.2	28.0	34.0	41.2	49.9	60.4	73.2	88.7
11.0	13.3	16.2	19.6	23.7	28.7	34.8	42.2	51.1	61.9	75.0	90.9
11.3	13.7	16.5	20.0	24.3	29.4	35.7	43.2	52.3	63.4	76.8	93.1
11.5	14.0	16.9	20.5	24.9	30.1	36.5	44.2	53.6	64.9	78.7	95.3
11.8	14.3	17.4	21.0	25.5	30.9	37.4	45.3	54.9	66.5	80.6	97.6