

Metal Oxide Film Resistors

(Flame proof construction UL-1412)



MO Series

MERITEK

PART NUMBERING SYSTEMS

Meritek Series

Power Rating

CODE	1/4W	1/2WS	1/2W	1W	2W	3W
	0.25W	0.5W	0.5W	1W	2W	3W

Resistance

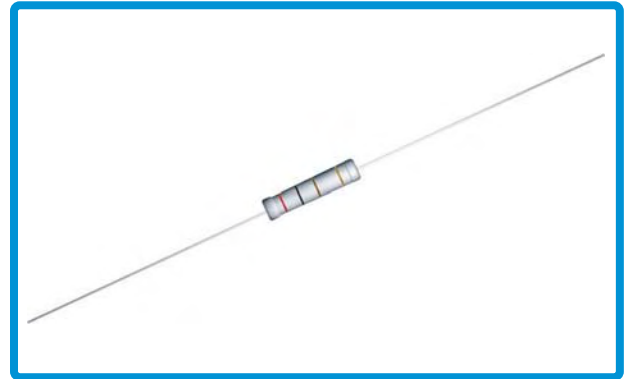
First 2 digits are significant
3rd digit is multiplier
"R" indicates decimal value below 10 ohm

Tolerance

Code	J	G	F
Tolerance (%)	± 5	± 2	± 1

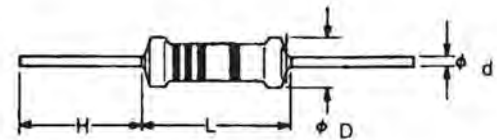
TR: Tape & Reel
B: Bulk

Note: "S" in "MOXWS-" denotes small body size



DIMENSIONS

Type		Body		Leadwire	
		(L)	(D)	(H)	(d±0.03)
MO1/4W	MO1/2WS	6.3±0.5	2.3 ±0.3	28±2	0.55
MO1/2W	MO1WS	9.0±0.5	3.2 ±0.5	26±2	0.65
MO1W	MO2WS	11.5±1.0	4.5±0.5	35±2	0.78
MO2W	MO3WS	15.5±1.0	5.0±0.5	32±2	0.78
MO3W	MO5WS	24.5±1.0	8.5±0.5	32±2	0.78



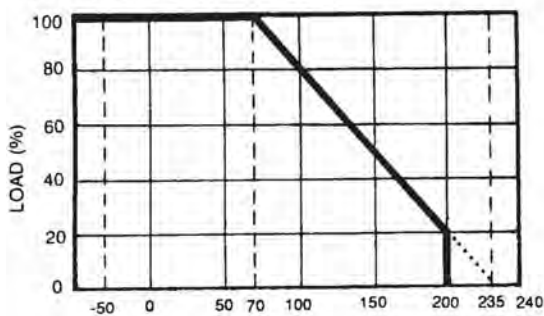
SPECIFICATIONS

TYPE	Range ±5%	Power Rating	Wvdc (Max)	Overload (Max VDC)
MO1/4W	0.1 to 1M	0.25W	200	350
MO1/2W, MO1/2WS	0.1 to 1M	0.5W	250	400
MO1W, MO1WS	0.1 to 1M	1W	350	600
MO2W, MO2WS	0.1 to 1M	2W	350	600
MO3W, MO3WS	0.1 to 1M	3W	500	800
MO5WS	0.22 to 150K	5W	750	1000

CHARACTERISTICS

Temperature Coefficient	±200ppm/°C
Insulation Resistance	10,000 M ohm
Load Life(1,000 hrs)	±3%
Short Time Overload	±0.5%
Temperature Cycling	±1%
Moisture Resistance	±5%
Operating Range	-55 to 200°C
Effect Soldering	±0.5%

DERATING CURVE



SURFACE TEMP RISE

