

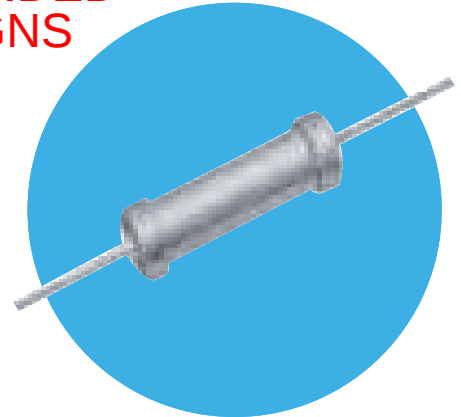
Metal Oxide Mini Series Resistors

**NOT RECOMMENDED
FOR NEW DESIGNS**

(WMO-S is preferred)

MOM Series

- Flame proof - Meets overload test of UL #1412
- Only available in RoHS compliant version
- Ideal substitute where size restraints apply
- Offers all electrical/performance characteristics of the standard size Metal Oxide product
- TCR ± 200 ppm
- Coating meets UL-94V-0

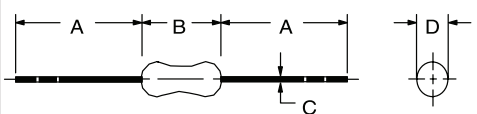


All parts are Pb-free and comply with EU Directive 2011/65/EU amended by (EU) 2015/863 (RoHS3)

PERFORMANCE CHARACTERISTICS (Tested Per MIL-R-22684 Rev. C):

ELECTRICAL	MOM 1/2	MOM 1	MOM 2	MOM 3	MOM 5
Power Ratings @ 70°C (watts)	1/2	1	2	3	5
Derated to 0 Load at	200°C	200°C	200°C	200°C	200°C
Maximum Working Voltage (volts)	250	350	350	350	500
Operating Temperature Range	-55°C to +200°C	-55°C to +200°C	-55°C to +200°C	-55°C to +200°C	-55°C to +200°C
Resistance Range (ohms)	0.1 - 47K ($\pm 5\%$) 0.1 - 47K ($\pm 1\%$)	0.1 - 75K ($\pm 5\%$) 0.1 - 75K ($\pm 1\%$)	0.1 - 100K ($\pm 5\%$) 0.1 - 100K ($\pm 1\%$)	0.1 - 120K ($\pm 5\%$) 0.1 - 120K ($\pm 1\%$)	1 - 150K ($\pm 5\%$) 100 - 4.99K ($\pm 1\%$)
Environmental (Operating Temperature Range: -55°C to +200°C)					
Moisture Resistance	$\pm 1.5\%$	$\pm 1.5\%$	$\pm 1.5\%$	$\pm 1.5\%$	$\pm 1.5\%$
Thermal Shock	$\pm 1\%$	$\pm 1\%$	$\pm 1\%$	$\pm 1\%$	$\pm 1\%$
Load Life @ 70°C - 1000 hrs.	$\pm 2\%$	$\pm 2\%$	$\pm 2\%$	$\pm 2\%$	$\pm 2\%$
Shock and Vibration	$\pm 0.5\%$	$\pm 0.5\%$	$\pm 0.5\%$	$\pm 0.5\%$	$\pm 0.5\%$
Resistance to Soldering Heat	$\pm 1\%$	$\pm 1\%$	$\pm 1\%$	$\pm 1\%$	$\pm 1\%$
Terminal Strength	$\pm 0.5\%$	$\pm 0.5\%$	$\pm 0.5\%$	$\pm 0.5\%$	$\pm 0.5\%$
Dielectric Withstand Voltage	400V	600V	600V	600V	800V
Maximum Pulse Voltage	400V	750V	750V	750V	1000V
Insulation Resistance	10,000 meg min.	10,000 meg min.	10,000 meg min.	10,000 meg min.	10,000 meg min.
Voltage Coefficient	0.001%/V	0.001%/V	0.001%/V	0.001%/V	0.001%/V
Short Time Overload	$\pm 2\%$	$\pm 2\%$	$\pm 2\%$	$\pm 2\%$	$\pm 2\%$

DIMENSIONS (Inches and (mm)):

				
PACKAGING: MOM 1/2: 5000/reel MOM 1, 2: 2500/reel MOM 3: 1000/reel MOM 5: 1000/ammo box All Above: 1000/bulk box				
	A	B	C	D
MOM 1/2	1.10 $\pm$ 0.12 (28.0 $\pm$ 3.0)	0.26 $\pm$ 0.02 (6.5 $\pm$ 0.5)	0.020 $\pm$ 0.002 (0.52 $\pm$ 0.05)	0.09 $\pm$ 0.01 (2.3 $\pm$ 0.2)
MOM 1	1.10 $\pm$ 0.12 (28.0 $\pm$ 3.0)	0.35 $\pm$ 0.04 (9.0 $\pm$ 1.0)	0.024 $\pm$ 0.002 (0.60 $\pm$ 0.05)	0.14 $\pm$ 0.02 (3.5 $\pm$ 0.5)
MOM 2	1.18 $\pm$ 0.12 (30.0 $\pm$ 3.0)	0.43 $\pm$ 0.04 (11.0 $\pm$ 1.0)	0.028 $\pm$ 0.004 (0.70 $\pm$ 0.10)	0.18 $\pm$ 0.02 (4.5 $\pm$ 0.5)
MOM 3	1.18 $\pm$ 0.12 (30.0 $\pm$ 3.0)	0.59 $\pm$ 0.04 (15.0 $\pm$ 1.0)	0.028 $\pm$ 0.004 (0.70 $\pm$ 0.10)	0.20 $\pm$ 0.04 (5.0 $\pm$ 1.0)
MOM 5	1.38 $\pm$ 0.12 (35.0 $\pm$ 3.0)	0.71 $\pm$ 0.08 (17.5 $\pm$ 2.0)	0.031 $\pm$ 0.002 (0.80 $\pm$ 0.05)	0.26 $\pm$ 0.06 (6.5 $\pm$ 1.5)

HOW TO ORDER:

Sample Part No.:

MOM-1 1001 J LF

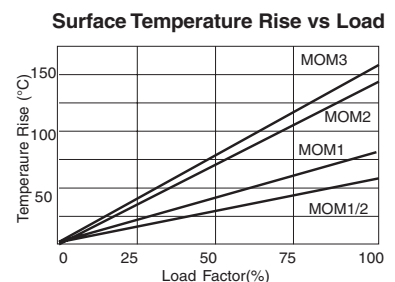
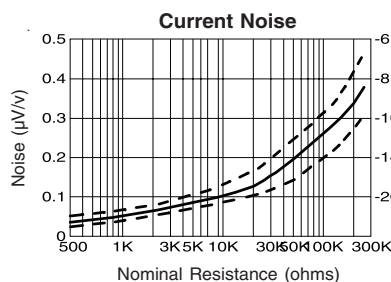
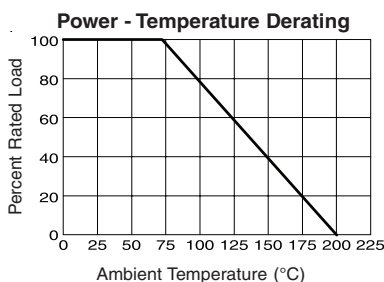
IRC Type

Size

Resistance Value
3 digit range and
1 digit multiplier

Tolerance
J = 5%, F = 1%

RoHS Compliance
LF = RoHS compliant construction



General Note

TT Electronics reserves the right to make changes in product specification without notice or liability.

All information is subject to TT Electronics' own data and is considered accurate at time of going to print.

Mouser Electronics

Authorized Distributor

Click to View Pricing, Inventory, Delivery & Lifecycle Information:

TT Electronics:

[MOM1/2 R120 5%TR](#) [MOM2 1.5K 5%TR](#) [MOM2 3.3K 5%TR](#) [MOM2 910 2%TR](#) [MOM2 R100 1%TR](#) [MOM3 .2 1%](#)
[MOM5123JA](#) [MOM2 75 5%TRLF](#) [MOM3 .2 1%LF](#) [MOM2 11K 5%TRLF](#) [MOM1 3.3 2%TRLF](#)