



# METAL OXIDE FILM RESISTOR, NON-FLAME

## PART NUMBER DESCRIPTION (for order booking)

<b>MOR100</b>	<b>PS</b>	<b>100K</b>	<b>J</b>	<b>TB</b>
<u>Type &amp; Wattage</u>	<u>Lead Style</u>	<u>Res. Value</u>	<u>Res. Tol.</u>	<u>Package</u>

- (1) **Type & Wattage:** Metal Oxide Resistors, MOR25 (1/4W)  
MOR50, MORS50 (1/2W) MOR100, MORS100 (1W)  
MOR200, MORS200 (2W) MOR300, MORS300 (3W)  
MOR500, MORS500 (5W) MORS700 (7W)

(2) **Lead Style:** PS, Horizontal Type

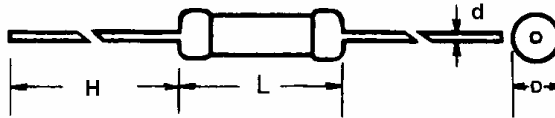
(3) **Resistance Value:** in Ohm ( $\Omega$ )

Ohm	0.47	1	4.7	10	100	1000	4700	10000	1000000
Code No.	R47	1	4R7	10	100	1K	4K7	10K	1M

(4) **Resistance Tolerance:** J= $\pm 5\%$

(5) **PACKAGE:** TAPE/BOX

## DIMENSION & RESISTANCE RANGE:



(Unit: mm)

TYPE		SIZE				Power rating (W)		Resistance Range(E-24)
Normal	Small	L	D	H	d			
MOR25	MORS50	6.3 $\pm$ 0.5	2.3 $\pm$ 0.3	28 $\pm$ 2	0.6 $\pm$ 0.05	1/4W	1/2W	1-1M ohm
MOR50	MORS100	9.5 $\pm$ 0.5	3.2 $\pm$ 0.3	26 $\pm$ 2	0.6 $\pm$ 0.05	1/2W	1W	1-1M ohm
MOR100	MORS200	11.5 $\pm$ 1.0	4.5 $\pm$ 0.5	35 $\pm$ 2	0.8 $\pm$ 0.05	1W	2W	1-1M ohm
MOR200	MORS300	15.5 $\pm$ 1.0	5.0 $\pm$ 0.5	33 $\pm$ 2	0.8 $\pm$ 0.05	2W	3W	1-1M ohm
MOR300	MORS500	17.5 $\pm$ 1.0	6.5 $\pm$ 1.0	32 $\pm$ 2	0.8 $\pm$ 0.05	3W	5W	1-1M ohm
MOR500	MORS700	24.5 $\pm$ 1.0	8.5 $\pm$ 1.0	38 $\pm$ 2	0.8 $\pm$ 0.05	5W	7W	1-1M ohm

## PERFORMANCE CHARACTERISTICS:

TEST ITEM	TEST CONDITIONS	MAX. RES. CHANGE
Temperature Coefficient	-55 $^{\circ}$ C ~ +155 $^{\circ}$ C	$\pm 300$ PPM/ $^{\circ}$ C
Short Time Overload	2.5 times of rated voltage for 5 sec.	$\pm(1\%+0.05\Omega)$
Resistance to Soldering Heat	350 $\pm$ 10 $^{\circ}$ C 3 $\pm$ 0.5 sec.	$\pm(1\%+0.05\Omega)$
Temperature Cycling	-65 $^{\circ}$ C ~ +150 $^{\circ}$ C, 5 cycles	$\pm(1\%+0.05\Omega)$
Load Life	70 $^{\circ}$ C (1.5hrs.on,0.5hrs.office)	$\pm(5\%+0.05\Omega)$
Moisture-proof Load Life	40 $\pm$ 2 $^{\circ}$ C 90-95% RH on-off cycle 1,000 hours	$\pm(5\%+0.05\Omega)$
Incombustibility	6 times of rated wattage for 5 min.	Not flamed