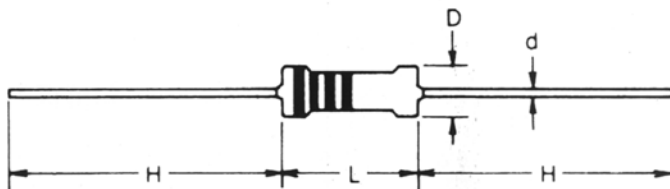


**METAL OXIDE FILM FIXED RESISTORS**

**SMALL SIZE ( 0.5 ... 5.0 Watt )**  
**NORMAL SIZE ( 5.0 ... 9.0 W )**

**Standard = E-24 / Tol. 5% / other Ohm & Tol. – Values on request / RoHS – conform = 100% Pb-free**

Specifications Power Rating / T. coeff.		Dimension (mm)				Working Voltage	Overload Voltage	Withstanding Voltage	Ω	Tape Box	
P at 70°C	Type J = 5 % G = 2 %	D max.	L max.	d + 0,02 - 0,05	H ± 3	max. Vac	max. Vdc	max. Vac	Vac	pcs.	
0.5 W	MOR 050 J	2.5	7.5	0.6	28	250		400	250	0.3 ... 50k	5 000
1.0 W	MOR 100 J	4.0	10.0	0.7	28	350		600	350	0.3 ... 50k	1 000
2.0 W	MOR 200 J	5.0	12.0	0.7	28	350		600	350	0.3 ... 50k	1 000
3.0 W	MOR 300 J	5.0	16.0	0.8	28	350		600	350	0.3 ... 50k	1 000
5.0 W	MOR 500 J	6.5	17.5	0.8	28	500		800	500	5 ... 100k	500
5.0 W	MOR 500+ J	8.5	26	0.8	38	750		1 000	750	5 ... 150k	
7.0 W	MOR 700 J	8.5	32	0.8	38	750		1 000	750	20 ... 150k	
8.0 W	MOR 800 J	8.5	41	0.8	38	750		1 000	750	30 ... 200k	
9.0 W	MOR 900 J	8.5	54	0.8	38	750		1 000	750	50 ... 200k	

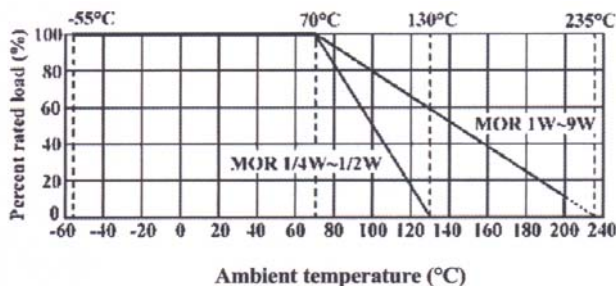


Bodycolour  
 Körperfarbe  
 Couleurs  
 Colori

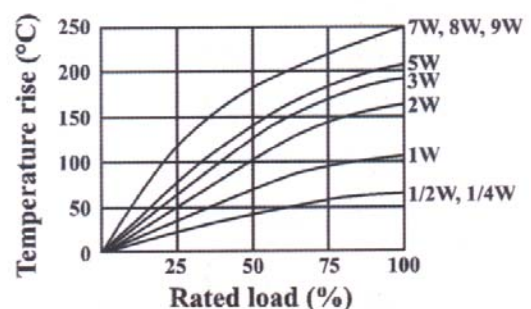
Blue / blau / bleu



**DERATING CURVE**



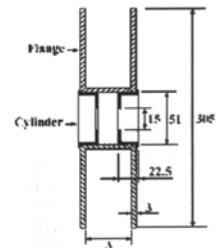
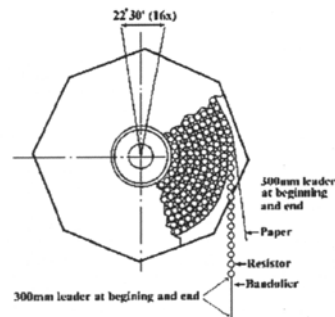
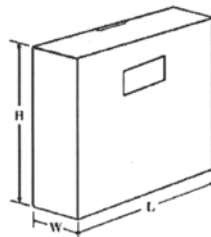
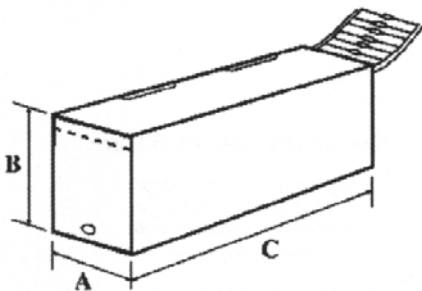
**Heat Rise Chart**



# METAL OXIDE FILM FIXED RESISTORS

## Performance Specifications

Temperature coefficient	$\pm 350\text{ppm} / ^\circ\text{C}$
Short-time overload	Small Size, $\Delta R / R \leq \pm (2\% + 0.05\Omega)$ , with no evidence of mechanical damage. Normal Size, $\Delta R / R \leq \pm (2\% + 0.05\Omega)$ , with no evidence of mechanical damage.
Dielectric withstanding voltage	No evidence of flashover, mechanical damage, arcing or insulation breakdown.
Pulse overload	Small Size, $\Delta R / R \leq \pm (5\% + 0.05\Omega)$ , with no evidence of mechanical damage. Normal Size, $\Delta R / R \leq \pm (2\% + 0.05\Omega)$ , with no evidence of mechanical damage.
Terminal strength	No evidence of mechanical damage.
Resistance to Soldering heat	$\Delta R / R \leq \pm (1\% + 0.05\Omega)$ , with no evidence of mechanical damage.
Solder ability	Min. 95% coverage.
Resistance to solvent	No deterioration of protective coating and markings.
Temperature cycling	$\Delta R / R \leq \pm (2\% + 0.05\Omega)$ , with no evidence of mechanical damage.
Humidity ( Steady state )	$\Delta R / R \leq \pm (2\% + 0.05\Omega)$ , with no evidence of mechanical damage.
Load life in humidity	$\Delta R / R \leq \pm 5\%$ for $< 100\text{k}\Omega$ ; $\pm 10\%$ for $\geq 100\text{k}\Omega$
Load life	$\Delta R / R \leq \pm 5\%$ for $< 100\text{k}\Omega$ ; $\pm 10\%$ for $\geq 100\text{k}\Omega$



### Tape in Box

### Tape in Reel

TYPE	A	B	C	Quantity	TYPE	W ±	H ±	L ±	A	Quantity
MOR 050	70	115	250	5 000	MOR 050	85	295	290	73 ±2	5 000
MOR 100	75	65	255	1 000	MOR 100	85	295	290	73 ±2	2 500
MOR 200	75	80	255	1 000	MOR 200	85	295	290	73 ±2	2 500
MOR 300	85	125	255	1 000	MOR 300	95	295	290	80 ±5	1 000
MOR 500	85	75	255	500	MOR 500	95	295	290	80 ±5	1 000
MOR 500+					MOR 500+					
MOR 700					MOR 700					
MOR 800					MOR 800					
MOR 900					MOR 900					