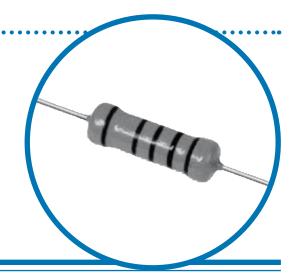
Commercial Grade Metal Oxide Resistor



CMO Series

- High purity ceramic core
- Non-inductive type available
- Superior flame retardant coating
- Power ratings from 1/4W to 9W
- Meets EIA-RC2655A requirements
- Stable performance in harsh environments



Electrical Data

IRC Type	Power Rating at 70°C (W)	Resistance Range* (Ohms)	Tolerance (±%)	TCR (±ppm/°C)	Max. Working Voltage (V)	Max. Overload Voltage (V)	Dielectric Withstanding Voltage (V)
Standard Size							
CMO-1/4	0.25	0.3 - 50K			250	400	250
CMO-1/2	0.5	0.3 - 50K			250	400	250
СМО-1	1	0.3 - 50K	2, 5, 10		350	600	350
СМО-2	2	0.3 - 50K			350	600	350
СМО-3	3	5 - 100K		350	500	800	500
СМО-5	5	5 - 150K			750	1000	750
СМО-7	7	20 - 150K			750	1000	750
СМО-8	8	30 - 200K			750	1000	750
СМО-9	9	50 - 200K			750	1000	750
Miniature Size							
CMO-1/2S	0.5	0.3 - 50K		350	250	400	250
CMO-1S	1	0.3 - 50K	2, 5, 10		350	600	350
CMO-2S	2	0.3 - 50K			350	600	350
CMO-3S	3	0.3 - 50K			350	600	350
CMO-5SS	5	5 - 100K			500	800	500
CMO-5S	5	5 - 150K			500	800	500





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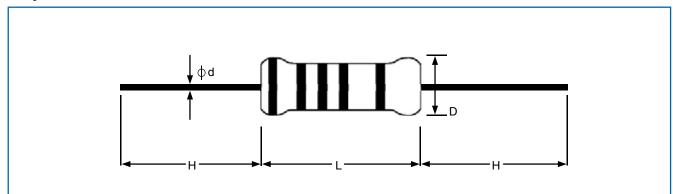
Environmental Data

$\Delta R/R \le (\pm 0.5\% + 0.05\Omega)$, with no evidence of mechanical damage.
No evidence of flashover, mechanical damage, arcing or insulation breakdown.
No evidence of mechanical damage.
$\Delta R/R \le (\pm 1\% + 0.05\Omega)$, with no evidence of mechanical damage.
$\Delta R/R \le (\pm 1\% + 0.05\Omega)$, with no evidence of mechanical damage.
Minimum 95% coverage.
No deterioration of protective coating and markings.
$\Delta R/R \le (\pm 1\% + 0.05\Omega)$, with no evidence of mechanical damage.
Standard type: ΔR/R ±3% for <100KΩ, ±5% for ≥100KΩ;
Standard type: Δ R/R ±1.5% Flame retardant type: R/R ±5%

CMO Series

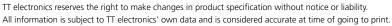


Physical Data



Dimensions (mm)								
	IRC Type	D (max.)	L (max.)	d (±0.02)	H (±3)			
Standard Size	CMO-1/4	2.5	7.5	0.6	28			
	CMO - 1/2	4.0	10.0	0.6	28			
	CMO-1	5.0	12.0	0.7	28			
	CMO-2	5.5	16.0	0.8	28			
	CMO-3	6.5	17.5	0.8	28			
	CMO-5	8.5	26.0	0.8	38			
	CMO-7	8.5	32.0	0.8	38			
	CMO-8	8.5	41.0	0.8	38			
	CMO-9	8.5	54.0	0.8	38			
Miniature Size	CMO - 1/2S	3.0	7.5	0.6	28			
	CMO-1	4.5	10.0	0.7	28			
	CMO-2	5.0	12.0	0.7	28			
	CMO-3	5.5	16.0	0.8	28			
	CMO-5SS	6.5	17.5	0.8	28			
	CMO-5S	8.0	25.0	0.8	38			

- Standard gray base color for standard size product; Blue color for miniature size product
- · Standard non-flammable coating

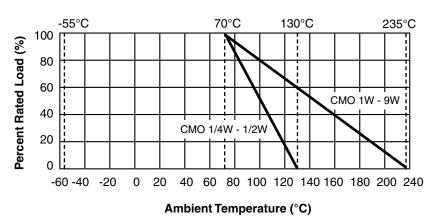




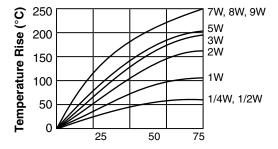
CMO Series



Power Derating Curve



Temperature Rise Chart



Ordering Data

Specify type, resistance, tolerance, RoHS-Compliance and packaging. This example is for a Metal Oxide Resistor, 2-watt, 1000Ω resistor.

Sample Part No CMO	2 1	001 J	LF TR
IRC Type · · · · · · · · · · · · · · · · · · ·			
Power Rating · · · · · · · · · · · · · · · · · · ·	.:		
Resistance Value (EIA 4-digit code) · · · · · · · · · · · · · · · · · · ·	• • • • •		
Tolerance (EIA format) - G = ±2%; J = ±5%; K = ±10% RoHS- compliance	• • • • • •		
LF = RoHS compliant construction Packaging TR = tape and reel only	• • • • • •	• • • • • •	

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.

