

10 SERIES MOLDED SILICONE CURRENT SENSING RESISTORS

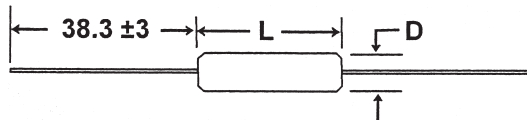
SPECIFICATIONS: Tolerance: ±1%. Overload: 5x rated power for 5 seconds. Dielectric withstanding voltage: 2W—500VRMS, 3 and 5W—1000VRMS. Insulation resistance: Not less than 1000MΩ. Temperature range: -55°C to 275°C.

STOCKING RESISTANCE VALUES

12F Series Value (Code)	13F Series Value (Code)	15F Series Value (Code)
.005 (R005)	.005 (R005)	.005 (R005)
.010 (R010)	.010 (R010)	.010 (R010)
.020 (R020)	.015 (R015)	.015 (R015)
.025 (R025)	.020 (R020)	.020 (R020)
.030 (R030)	.025 (R025)	.025 (R025)
.040 (R040)	.030 (R030)	.030 (R030)
.050 (R050)	.040 (R040)	.040 (R040)
.100 (R100)	.050 (R050)	.050 (R050)
	.070 (R070)	.070 (R070)
	.100 (R100)	.100 (R100)
	.150 (R150)	.150 (R150)
	.200 (R200)	.200 (R200)
	.250 (R250)	.250 (R250)

Cat. No.	Power Rating	Resistance Range	Dim. D x L (mm)	Net Pricing	
				1-9	10-99
12F(Code)E	2.0W	.005-.020	2.4 x 10.3	\$2.00	\$1.80
12F(Code)E	2.0W	.025-.040	2.4 x 10.3	1.98	1.79
12FR050E	2.0W	0.050	2.4 x 0.3	1.86	1.68
12FR100E	2.0W	0.100	2.4 x 0.3	2.19	1.97
13FR005E	3.0W	0.005	5.2 x 14.2	1.99	1.80
13F(Code)E	3.0W	.010-.015	5.2 x 14.2	1.88	1.68
13F(Code)E	3.0W	.020-.030	5.2 x 14.2	1.80	1.62
13F(Code)E	3.0W	.040-.050	5.2 x 14.2	1.77	1.59
13F(Code)E	3.0W	.070-.200	5.2 x 14.2	1.99	1.80
15FR005E	5.0W	0.005	8.4 x 23.5	2.38	2.15
15F(Code)E	5.0W	.010-.030	8.4 x 23.5	2.30	2.07
15F(Code)E	5.0W	.040-.050	8.4 x 23.5	2.25	2.03
15F(Code)E	5.0W	.070-.300	8.4 x 23.5	2.21	1.99

NOTE: RoHS Compliant. For resistance value replace "Code" (ex: 33J**Code**E) in Cat. No. with value from Stocking Resistance Value Chart.



OX AND OY SERIES CERAMIC COMPOSITION RESISTORS

FEATURES: Replaces 1 and 2 watt carbon composition resistors. Meets high energy density demands. High peak power. 10% tolerance. **MATERIAL:** Terminals: Tip-plated axial leads—RoHS Compliant. Coating: UL-94 V0 approved silicone. Derating: Linear from 100% @ +70°C to 0% @ 200°C. **ELECTRICAL:** Resistance tolerance: ±10%. TC: -1300 ±300ppm/°C. Dielectric withstanding voltage: 500VAC (750VAC for OY series). Max joules for single impulse: 50 (50 for OY series).

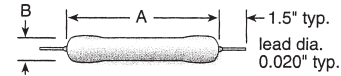
STOCKING RESISTANCE VALUES

Value (Code)	Value (Code)	Value (Code)	Value (Code)	Value (Code)
3.3 (33G)	47 (470)	680 (681)	10K (103)	150K (154)
3.9 (39G)	56 (560)	820 (821)	12K (123)	180K (184)
4.7 (47G)	68 (680)	1K (102)	15K (153)	220K (224)
5.6 (56G)	82 (820)	1K2 (122)	18K (183)	270K (274)
6.8 (68G)	100 (101)	1K5 (152)	22K (223)	330K (334)
8.2 (82G)	120 (121)	1K8 (182)	27K (273)	390K (394)
10 (100)	150 (151)	2K2 (222)	33K (333)	470K (474)
12 (120)	180 (181)	2K7 (272)	39K (393)	560K (564)
15 (150)	220 (221)	3K3 (332)	47K (473)	680K (684)
18 (180)	270 (271)	3K9 (392)	56K (563)	820K (824)
22 (220)	330 (331)	4K7 (472)	68K (683)	1M (105)
27 (270)	390 (391)	5K6 (562)	82K (823)	
33 (330)	470 (471)	6K8 (682)	100K (104)	
39 (390)	560 (561)	8K2 (822)	120K (124)	

Cat. No.	Power Rating	Resistance Range	Dim. D x L (mm)	Joules Max	Net Price	
					1-99	100-999
MAX PULSE VOLTAGE: 14kV						
OX(Code)KE	1W	3.3-100	17.0 x 5.5 ± 1	50	\$1.05	\$.85
OX(Code)KE	1W	120-100K	17.0 x 5.5 ± 1	50	.98	.78

Cat. No.	Power Rating	Resistance Range	Dim. D x L (mm)	Joules Max	Net Price	
					1-99	100-999
MAX PULSE VOLTAGE: 20kV						
OY(Code)KE	2W	3.3-100	22.6 x 7.0 ± 1	80	1.38	1.11
OY(Code)KE	2W	120-100K	22.6 x 7.0 ± 1	80	1.29	1.03
OY(Code)KE	2W	120K-1M	22.6 x 7.0 ± 1	80	1.50	1.20

NOTE: RoHS Compliant. For resistance value replace "Code" (ex: 33J**Code**E) in Cat. No. with value from Stocking Resistance Value Chart.



MINI-MOX HIGH VOLTAGE METAL OXIDE RESISTORS

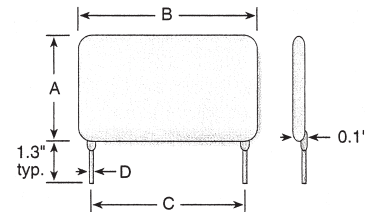
APPLICATIONS: Avionics. Medical electronics. High gain feedback applications. Current pulse limiters. Vacuum and space applications. **MATERIAL:** Resistor: Metal oxide. Coating: Epoxy. Core: Alumina. Terminals: Solder-coated axial lead. **ELECTRICAL:** Voltage rating: 500V. Operating temperature: -55°C to +220°C.

STOCKING RESISTANCE VALUES

Series	Value (Codes)
MOX-400-23-J	10M (1005); 100M (1006)
MOX-400-23-F	10M (1005); 100M (1006); 5000M (5006); 1000M (1007)
MOX-750-23-J	10M (1005)
MOX-750-23-F	100M (1006)

Cat. No.	Power Rating	Voltage Rating	Tol	Dim. A x B (mm)	Net Price Each	
					1-99	100-Up
RESISTANCE RANGE: 1K-499M						
MOX-400-23(Code)JE	.75W	2500	5%	28.45 x 7.87	\$3.65	\$3.10
RESISTANCE RANGE: 1K-499M						
MOX-400-23(Code)FE	.75W	2500	1%	28.45 x 7.87	3.88	3.30
RESISTANCE RANGE: 500M-1500M						
MOX-400-23(Code)JE	.75W	2500	5%	28.45 x 7.87	5.68	4.83
RESISTANCE RANGE: 500M-1500M						
MOX-400-23(Code)FE	.75W	2500	1%	28.45 x 7.87	5.97	5.07
RESISTANCE RANGE: 1K-3000M						
MOX-750-23(Code)JE	1.0W	5000	5%	53.85 x 7.87	4.01	3.41
RESISTANCE RANGE: 1K-3000M						
MOX-750-23(Code)FE	1.0W	5000	1%	53.85 x 7.87	6.48	5.51

NOTE: RoHS Compliant. For resistance value replace "Code" (ex: 33J**Code**E) in Cat. No. with value from Stocking Resistance Value Chart.



SLIM-MOX PRECISION THICK FILM PLANAR RESISTORS

FEATURES: High dielectric and low outgassing epoxy coating. Low resistor noise. Non inductive. **APPLICATIONS:** HV power supplies. Medical instrumentation. Current pulse limiters. Ionization chambers. **MATERIAL:** Resistor: Thick film on alumina. Electrical: Operating temperature: -55°C to +110°C.

DIMENSIONS

Series	Dimensions (mm)			
	A (Max.)	B (Max.)	C ±.025	D ±.002
SM102	8.64	14.73	10.16	0.813
SM104	8.64	27.43	22.86	0.813
SM106	8.64	40.13	35.56	0.813
SM204	14.99	27.43	22.86	0.813

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