

MATERIAL DECLARATION

BOURNS®

Material Number	RSC			
Product Line	Fixed Resistor			
Compliance Date	4/22/2024			
RoHS Compliant	Yes	MSL	1	

RSC-1000-100								
No.	Construction Element (Subpart)	Homogeneous Material	Material Weight (g)	Homogeneous Material Substance	CASRN	Material Mass %	Material Mass % of total unit wt.	Subpart mass of total wt. (%)
1	Resistive Material Manganese, 0.0253 X 2.00" 6FT	Manganin Alloy	26.1300	Copper	7440-50-8	86.00%	2.8436%	3.3065%
				Nickel	7440-02-0	4.00%	0.1323%	
				Manganese	7439-96-5	10.00%	0.3306%	
2	Base Terminal Block Left	Brass Alloy C360	285.7600	Copper	7440-50-8	58.60%	21.1896%	36.1598%
				Zinc	7440-66-6	36.80%	13.3068%	
				Lead	7439-92-1	3.40%	1.2294%	
				Tin	7440-31-5	0.60%	0.2170%	
				Iron	7439-89-6	0.60%	0.2170%	
3	Base Terminal Block Right	Brass Alloy C360	285.7600	Copper	7440-50-8	58.60%	21.1896%	36.1598%
				Zinc	7440-66-6	36.80%	13.3068%	
				Lead	7439-92-1	3.40%	1.2294%	
				Tin	7440-31-5	0.60%	0.2170%	
				Iron	7439-89-6	0.60%	0.2170%	
4	Solder, SAC305 0.031D	Hi Temperature Solder, PB Free	3.5300	Copper	7440-50-8	0.50%	0.0022%	0.4467%
				Tin	7440-31-5	96.50%	0.4310%	
				Silver	7440-22-4	3.00%	0.0134%	
5	Screws Pan Head, 8-32 x 3/8"	Brass Alloy C260	3.3600	Copper	7440-50-8	70.00%	0.2976%	0.4252%
				Zinc	7440-66-6	30.00%	0.1276%	
6	Screws Flat Head, 1/4-20 x 1/2"	Brass Alloy C260	9.6200	Copper	7440-50-8	70.00%	0.8521%	1.2173%
				Zinc	7440-66-6	30.00%	0.3652%	

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7	Washer, #8 Flat	Brass Alloy C260	2.3600	Copper	7440-50-8	70.00%	0.2090%	0.2986%
				Zinc	7440-66-6	30.00%	0.0896%	
8	Lock Washer, #8 Split	Silicon Bronze Alloy 651	0.6400	Copper	7440-50-8	97.00%	0.0786%	0.0810%
				Manganese	7439-96-5	1.00%	0.0008%	
				Silicon	7440-21-3	2.00%	0.0016%	
9	Washer, 1/2" Flat	Brass Alloy 360	6.2600	Copper	7440-50-8	60.80%	0.4816%	0.7921%
				Zinc	7440-66-6	35.50%	0.2812%	
				Lead	7439-92-1	3.35%	0.0265%	
				Iron	7439-89-6	0.35%	0.0028%	
10	Lock Washer, 1/2" Split	Silicon Bronze Alloy 651	32.6600	Copper	7440-50-8	97.00%	4.0088%	4.1328%
				Manganese	7439-96-5	1.00%	0.0413%	
				Silicon	7440-21-3	2.00%	0.0827%	
11	Shunt Base, Plastic Molded	Phenolic	121.5600	Polycarbonate	25037-45-0	33.00%	5.0761%	15.3821%
				Polycarbonate	24936-68-3	33.00%	5.0761%	
				Fiber Glass	65997-17-3	30.00%	4.6146%	
				Silicone Element	63148-62-9	2.00%	0.3076%	
				Carbon Black	1333-86-4	2.00%	0.3076%	
12	Hex Cap, 1/2-13 x 7/8"	Brass Alloy C270	7.2600	Copper	7440-50-8	65.00%	0.5971%	0.9187%
				Zinc	7440-66-6	35.00%	0.3215%	
13	Epoxy Resin w/ Catalyst	50-3150RFRBK	5.3700	Aluminum Hydroxide	21645-51-2	57.25%	0.3890%	0.6795%
				Phenol	25068-38-6	31.25%	0.2123%	
				Diethylmethylbenzenediamine	68479-98-1	6.00%	0.0408%	
				Carbon Black	1333-86-4	0.50%	0.0034%	
				Confidential Substances	Trade secret	5.00%	0.0340%	
		Total Weight	790.2700					

This Document was updated on: 12/8/2025

Important remarks:

1. It is the responsibility of the user to verify they are accessing the latest version.