

MATERIAL DECLARATION



Material Number	RSW			
Product Line	Fixed Resistor			
Compliance Date	1/8/2024			
RoHS Compliant	Yes	MSL	1	

RSW-10-50

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	0.2268	Copper	7440-50-8	86.00%	0.4927%	0.5729%
				Nickel	7440-02-0	4.00%	0.0229%	
				Manganese	7439-96-5	10.00%	0.0573%	
2	Base Terminal Block L/R	Brass Alloy C360	33.5658	Copper	7440-50-8	58.60%	49.6825%	84.7823%
				Zinc	7440-66-6	36.80%	31.1999%	
				Lead	7439-92-1	3.40%	2.8826%	
				Tin	7440-31-5	0.60%	0.5087%	
				Iron	7439-89-6	0.60%	0.5087%	
4	Lead-Free Solder, Hi Temperature	Lead-Free Solder, SAC305 0.031D	3.5300	Copper	7440-50-8	0.50%	0.0446%	8.9163%
				Tin	7440-31-5	96.50%	8.6042%	
				Silver	7440-22-4	3.00%	0.2675%	
5	Screws, 6-32 x 1/4"	Brass Alloy C260	1.7237	Copper	7440-50-8	70.00%	3.0476%	4.3537%
				Zinc	7440-66-6	30.00%	1.3061%	
6	Washer, #6 Flat	Brass Alloy C260	0.5443	Copper	7440-50-8	70.00%	0.9624%	1.3748%
				Zinc	7440-66-6	30.00%	0.4125%	
		Total Weight	39.5906					

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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, 0.040 X 2.00" 6FT	Manganin Alloy	5.4431	Copper	7440-50-8	86.00%	2.6820%	3.1186%
				Nickel	7440-02-0	4.00%	0.1247%	
				Manganese	7439-96-5	10.00%	0.3119%	
2	Base Terminal Block L/R	Brass Alloy C360	163.2933	Copper	7440-50-8	58.60%	54.8258%	93.5594%
				Zinc	7440-66-6	36.80%	34.4299%	
				Lead	7439-92-1	3.40%	3.1810%	
				Tin	7440-31-5	0.60%	0.5614%	
				Iron	7439-89-6	0.60%	0.5614%	
4	Lead-Free Solder, Hi Temperature	Lead-Free Solder, SAC305 0.031D	3.5300	Copper	7440-50-8	0.50%	0.0101%	2.0225%
				Tin	7440-31-5	96.50%	1.9517%	
				Silver	7440-22-4	3.00%	0.0607%	
5	Screws, 6-32 x 1/4"	Brass Alloy C260	1.7237	Copper	7440-50-8	70.00%	0.6913%	0.9876%
				Zinc	7440-66-6	30.00%	0.2963%	
6	Washer, #6 Flat	Brass Alloy C260	0.5443	Copper	7440-50-8	70.00%	0.2183%	0.3119%
				Zinc	7440-66-6	30.00%	0.0936%	
		Total Weight	174.5343					

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.