


# MATERIAL DECLARATION SHEET



Material Number	<b>CFB</b>			
Product Line	<b>Fixed Resistor</b>			
Compliance Date	<b>4/19/2024</b>			
RoHS Compliant		MSL		

## CFB1-110

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	Fuse JLLN 110A Plated	Silica Sand	17.2300	Crystalline Silica	14808-60-7	99.0000%	5.2375%	5.2904%		
				Aluminum Oxide	1344-28-1	0.8000%	0.0423%			
				Iron Oxide	1309-37-1	0.1000%	0.0053%			
				Titanium Oxide	13463-67-7	0.1000%	0.0053%			
		Tin Slug	0.1320	Tin (Sn)	7440-31-5	100.0000%	0.0405%	0.0405%		
		Cap and Blade Assembly-Cap	34.3540	Silver Plating for Cap and Blade	1.7177	Copper (Cu)	7440-50-8	99.9000%	10.5378%	10.5483%
						Phosphorus (P)	7723-14-0	0.1000%	0.0105%	
		Solder Disc	5.0400	Tin (Sn)	7440-31-5	99.3000%	1.5367%	1.5475%		
		Support Disc	4.2320	Body	9.4483	Copper (Cu)	7440-50-8		0.7000%	0.0108%
						Zinc (Zn)	7440-66-6	30.0000%	0.3898%	
		Element	0.5400	Aluminum-6061-T6511	21.7130	Glass Fiber	65997-17-3	63.0000%	1.8277%	2.9011%
						Melamine Formaldehyde Resin	9003-08-1	37.0000%	1.0734%	
		2	Base Terminal	Aluminum-6061-T6511	21.7130	Silver	7440-22-4	100.0000%	0.1658%	6.6669%
Aluminum (Al)	7429-90-5					97.2300%	6.4823%			
Chromium (Cr)	7440-47-3					0.1950%	0.0130%			
				Copper (Cu)	7440-50-8	0.2750%	0.0183%			

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	Block Left/Right			Iron (Fe)	7439-89-6	0.3500%	0.0233%	
				Manganese (Mn)	7439-96-5	0.0750%	0.0050%	
				Magnesium (Mg)	7439-95-4	1.0000%	0.0667%	
				Silicon (Si)	7440-21-3	0.6000%	0.0400%	
				Zinc (Zn)	7440-66-6	0.1250%	0.0083%	
				Titanium (Ti)	7440-32-6	0.0750%	0.0050%	
				Misc	Trade secret	0.0750%	0.0050%	
		Tin Plating	0.1040	Tin (Sn)	7440-31-5	100.0000%	0.0319%	0.0319%
			0.0630	Nickel (Ni)	7440-02-0	100.0000%	0.0193%	0.0193%
3	Fuse Cover Clear Plastic	Polycarbonate	38.3300	Polycarbonate	25929-04-8	99.0000%	11.6515%	11.7691%
				Additives	Trade secret	1.0000%	0.1177%	
4	Lug Nut, LA250	Aluminum-6061- T6511	89.7020	Aluminum (Al)	7429-90-5	97.2300%	26.7799%	27.5428%
				Chromium (Cr)	7440-47-3	0.1950%	0.0537%	
				Copper (Cu)	7440-50-8	0.2750%	0.0757%	
				Iron (Fe)	7439-89-6	0.3500%	0.0964%	
				Manganese (Mn)	7439-96-5	0.0750%	0.0207%	
				Magnesium (Mg)	7439-95-4	1.0000%	0.2754%	
				Silicon (Si)	7440-21-3	0.6000%	0.1653%	
				Zinc (Zn)	7440-66-6	0.1250%	0.0344%	
				Titanium (Ti)	7440-32-6	0.0750%	0.0207%	
		Misc	Trade secret	0.0750%	0.0207%			
		Tin Plating	0.2480	Tin (Sn)	7440-31-5	100.0000%	0.0761%	0.0761%
			0.1500	Copper (Cu)	7440-50-8	100.0000%	0.0461%	0.0461%
5	Lock Washer, #5/16 Split	Stainless Steel 18-8	2.9980	Iron (Fe)	7439-89-6	71.0950%	0.6545%	0.9205%
				Chromium (Cr)	7440-47-3	18.0000%	0.1657%	
				Nickel (Ni)	7440-02-0	8.0000%	0.0736%	
				Manganese (Mn)	7439-96-5	2.0000%	0.0184%	
				Phosphorus (P)	7723-14-0	0.0450%	0.0004%	
				Sulfur (S)	7704-34-9	0.0300%	0.0003%	
Carbon (C)	7440-44-0	0.0800%	0.0007%					

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				Silicon (Si)	7440-21-3	0.7500%	0.0069%	
6	Hex Nut, 5/16-18	Stainless Steel 18-8	2.7800	Iron (Fe)	7439-89-6	71.0950%	0.6069%	0.8536%
				Chromium (Cr)	7440-47-3	18.0000%	0.1536%	
				Nickel (Ni)	7440-02-0	8.0000%	0.0683%	
				Manganese (Mn)	7439-96-5	2.0000%	0.0171%	
				Phosphorus (P)	7723-14-0	0.0450%	0.0004%	
				Sulfur (S)	7704-34-9	0.0300%	0.0003%	
				Carbon (C)	7440-44-0	0.0800%	0.0007%	
				Silicon (Si)	7440-21-3	0.7500%	0.0064%	
7	Hex Tap, 5/16-18 x 1- 3/4"	Stainless Steel 18-8	36.8400	Iron (Fe)	7439-89-6	71.0950%	8.0420%	11.3116%
				Chromium (Cr)	7440-47-3	18.0000%	2.0361%	
				Nickel (Ni)	7440-02-0	8.0000%	0.9049%	
				Manganese (Mn)	7439-96-5	2.0000%	0.2262%	
				Phosphorus (P)	7723-14-0	0.0450%	0.0051%	
				Sulfur (S)	7704-34-9	0.0300%	0.0034%	
				Carbon (C)	7440-44-0	0.0800%	0.0090%	
				Silicon (Si)	7440-21-3	0.7500%	0.0848%	
8	Fuse Base, Plastic Molded	Phenolic	52.1200	Polycarbonate	25037-45-0	33.0000%	5.2811%	16.0033%
				Polycarbonate	24936-68-3	33.0000%	5.2811%	
				Fiber Glass	65997-17-3	30.0000%	4.8010%	
				Silicone Element	63148-62-9	2.0000%	0.3201%	
				Carbon Black	1333-86-4	2.0000%	0.3201%	
9	Epoxy Resin w/ Catalyst	50-3150RFRBK	7.9400	Aluminum Hydroxide	21645-51-2	57.2500%	1.3957%	2.4380%
				Phenol	25068-38-6	31.2500%	0.7619%	
				Diethylmethylenediamine	68479-98-1	6.0000%	0.1463%	
				Carbon Black	1333-86-4	0.5000%	0.0122%	
				Confidential Substances	Trade secret	5.0000%	0.1219%	
Total Weight			325.6820					

This Document was updated on: **6/14/2024**

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**Important remarks:**

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