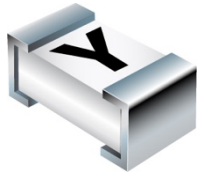


# MATERIAL DECLARATION SHEET

**BOURNS®**

Material Number	SF-0402FR Series			
Product Line				
Compliance Date	2023/6/14			
RoHS Compliant	Yes	MSL	1	

No.	Construction Element(subpart)	Homogeneous Material	Material weight [mg]	Homogeneous Material\ Substances	CASRN if applicable	Material s Mass %	Material Mass % of total unit wt.	Subpart mass of total wt. (%)
1	Ceramic Substrate	Ceramic	0.715827	Aluminum oxide	1344-28-1	96%	76.19%	79.36%
				Quartz	14808-60-7	4%	3.17%	
2	Marking	Epoxy	0.001353	Epoxy	25085-99-8	100%	0.15%	0.15%
3	Conductor Layer	Silver	0.006547	Silver	7440-22-4	80%	0.58%	0.73%
				Polymer	141-78-6	20%	0.15%	
4	Insulation Layer	Epoxy	0.021756	Epoxy	25068-38-6	25%	0.60%	2.41%
				Phenolic	9003-36-5	40%	0.96%	
				Silica	60676-86-0	20%	0.48%	
				Carbon	1333-86-4	15%	0.36%	
5	Fuse Element	Copper	0.015334	Copper	7440-50-8	100%	1.70%	1.70%
6	Over-Coating	Epoxy	0.016492	Epoxy	25068-38-6	100%	1.83%	1.83%
7	End Terminal	Nickel I Chromium	0.00036	Nickel	7440-02-0	80%	0.03%	0.04%
				Chromium	7440-47-3	20%	0.01%	
8	Cu Plating	Copper	0.050512	Copper	7440-50-8	100%	5.60%	5.60%
9	Ni Plating	Nickel	0.038876	Nickel	7440-02-0	100%	4.31%	4.31%
10	Sn Plating	Tin	0.034907	Tin	7440-31-5	100%	3.87%	3.87%
		TOTAL WEIGHT	0.901848					

# MATERIAL DECLARATION SHEET

**BOURNS**<sup>®</sup>

**This Document was updated on:** 2023/6/14

**Important remarks:** It is the responsibility of the user to verify they are accessing the latest version.