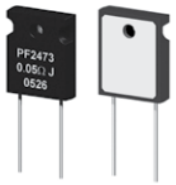
MATERIAL DECLARATION SHEET

BOURNS®

Material Number	**PF2472**		
Product Line	**Fixed Resistor**		
Compliance Date	**3/11/2025**		
RoHS Compliant		MSL	



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	Chip	Ceramic	0.2306	Aluminum Oxide	1344-28-1	96.0000%	2.3713%	2.4701%
				Silicon dioxide	14808-60-7	4.0000%	0.0988%	
		Conductor Layer Thick Film	0.0124	Silver Powder	7440-22-4	97.0000%	0.1293%	0.1333%
				Platinum	7440-06-4	1.0000%	0.0013%	
				Di copper oxide	1317-39-1	1.0000%	0.0013%	
				Zinc oxide	1314-13-2	1.0000%	0.0013%	
		Thick Film Resistive Element	0.0055	Ruthenium oxide	12060-10-1	25.0000%	0.0147%	0.0588%
				Silver Powder	7440-22-4	40.0000%	0.0235%	
				Palladium	7440-05-03	15.0000%	0.0088%	
				Lead	7439-92-1	20.0000%	0.0118%	
		Over Glaze	0.0053	Glass	65997-17-3	85.0000%	0.0483%	0.0568%
				Lead in Glass	7439-92-1	15.0000%	0.0085%	
2	Shell	Molding Compound Black	1.8178	Epoxy Resin	25068-38-6	17.0000%	3.3107%	19.4744%
				Phenolic Resin	9003-35-4	8.0000%	1.5580%	
				Mineral Fillers	60676-86-0	63.0000%	12.2689%	
				Flame Retardants	Trade Secret	8.0000%	1.5580%	
				Pigments	Not to Declare	4.0000%	0.7790%	
3	Lead Wire	Copper C101	0.1000	Copper	7440-50-8	99.9000%	1.0504%	1.0514%
				Misc	Not to Declare	0.1000%	0.0011%	
		Tin Plating	0.0980	Tin	7440-31-5	100.0000%	1.0304%	1.0304%

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		Nickel Plating	0.0980	Nickel	7440-02-0	100.0000%	1.0304%	1.0304%
4	Back Plate	C10200	3.9425	Copper	7440-50-8	99.9810%	42.2287%	42.2367%
				Iron	7439-89-6	0.0050%	0.0021%	
				Phosphorus	7723-14-0	0.0030%	0.0013%	
				Lead	7439-92-1	0.0050%	0.0021%	
				Zinc	7440-66-6	0.0030%	0.0013%	
				Cadmium	7440-43-9	0.0030%	0.0013%	
5	Lead-Free Solder	SAC305	3.1150	Copper	7440-50-8	0.5000%	0.1669%	33.3716%
				Tin	7440-31-5	96.5000%	32.2035%	
				Silver	7440-22-4	3.0000%	1.0011%	
6	Solder Preform	Solder	0.0856	Tin	7440-31-5	95.6000%	0.8767%	0.9170%
				Silver	7440-22-4	3.4000%	0.0312%	
				Rosin Mix	65997-05-9	1.0000%	0.0092%	
		Total Weight	9.3343					

This Document was updated on: 5/27/2025

Important remarks:

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