


MATERIAL DECLARATION SHEET

BOURNS®

Material Number	HRP3822X Series			
Product Line	Power Inductor			
Compliance Date	2023/06/07			
RoHS Compliant	Yes	MSL	Level 1	

No.	Construction Element(subpart)	Homogeneous Material	Material weight [g]	Homogeneous Material\ Substances	CASRN if applicable	Materials Mass %	Material Mass % of total unit wt.	Subpart mass of total wt. (%)
1	Alloy Body	Alloy Powder	113.81123	Iron	7439-89-6	93.800	68.8742	73.4266
				Silicon	7440-21-3	4.200	3.0839	
				Chromium	7440-47-3	2.000	1.4685	
2	Copper/ Coating	Magnet Wire	40.51704418	Copper	7440-50-8	100.000	26.1400	26.5381
			0.617010825	Polyamideimide Resin	63428-84-2	100.000	0.3981	
3	Solder	Lead-Free Solder Bar	0.05425	Tin	7440-31-5	99.300	0.0348	0.0350
				Copper	7440-50-8	0.700	0.0002	
4	Marking	Printer INK	0.000465	ChromeIII-Complex Dye	117527-94-3	100.000	0.0003	0.0003
			Total weight				155	

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Important remarks:

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