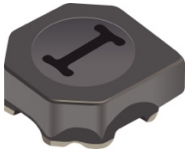


MATERIAL DECLARATION SHEET



Material Number	SRF3015 SERIES			
Product Line	Shielded SMD Power Inductor			
Compliance Date	2023/06/15			
RoHS Compliant	YES	MSL	1	

No.	Construction Element(subpart)	Homogeneous Material	Material weight [mg]	Homogeneous Material\ Substances	CASRN if applicable	Materials Mass %	Material Mass % of total unit wt.	Subpart mass of total wt. (%)
1	Core	Ni-Zn	29.11	Iron oxide (Fe2O2)	1309-37-0	66.0%	35.112%	53.2
				Nickel oxide (NiO)	1313-99-0	11.3%	6.012%	
				Zinc oxide (ZnO)	1314-13-1	18.2%	9.682%	
				Cupric Oxide (CuO)	1317-38-1	4.0%	2.128%	
2	Terminal	Plating	0.146	Silver(Ag)	7440-22-3	0.2%	0.106%	
				Nickel (Ni)	7440-02-1	0.1%	0.053%	
				Tin (Sn)	7440-31-4	0.2%	0.106%	
3	Wire	Copper	22.32	Copper(Cu)	7440-50-8	95.0%	40.591%	42.727
		Coating	1.18	Polyurethane	9009-54-5	5.0%	2.136%	
4	Adhesive	Epoxy	0.9	Bisphenol A Epoxy Resin	25068-38-6	64.6%	1.057%	1.636
				Epoxy thinning agent	68609-97-2	5.40%	0.088%	
				Carbon Black	1333-86-4	5.40%	0.088%	
				Aluminum hydroxide	21645-51-2	24.6%	0.403%	
5	Solder bar	Tin	1.2	Tin (Sn)	7440-31-5	99.0%	2.160%	2.182
				Silver(Ag)	7440-22-4	0.5%	0.011%	
				Copper(Cu)	7440-50-8	0.5%	0.011%	
6	Marking	Ink	0.1	Solvent Black 29	61901-87-9	25.5%	0.046%	0.182
				Polyacrylic acid	9003-01-4	62.0%	0.113%	
				Silicone oil	63148-62-9	12.5%	0.023%	

MATERIAL DECLARATION SHEET

BOURNS®

7	Varnish	Varnish	0.04	Diallyl phthalate	131-17-9	53.0%	0.039%	0.073
				Others	NA	47.0%	0.034%	
		Total weight	55					

This Document was updated on: 2023/06/15

Important remarks:

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