


MATERIAL DECLARATION SHEET



Material Number	SRN3010 SERIES			
Product Line	Semi-Shielded SMD Power Inductor			
Compliance Date	2018/04/18			
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	Ferrite core	27.55	Iron oxide	1309-37-1	55	45.231	82.239
				Nickel oxide	1313-99-1	11	9.046	
				Zinc oxide	1314-13-2	25	20.560	
				Copper oxide	1317-38-0	5	4.112	
				Silver	7440-22-4	1	0.822	
				Glass	Trade secret	1	0.822	
				Tin	7440-31-5	1	0.822	
2	Winding Wire	P180	2.65	Copper	7440-50-8	96	7.594	7.91
				Polyurethane Resin	9005-54-5	4	0.316	
3	Terminal	NP 303	1.80	Tin	7440-31-5	96.5	5.185	5.373
				Silver	7440-22-4	3	0.161	
				Copper	7440-50-8	0.5	0.027	
4	Adhesive	FERRITE GLUE	1.50	Iron oxide	1309-37-1	40	1.791	4.478
				Nickel oxide	1313-99-1	5.4	0.242	
				Zinc oxide	1314-13-2	4.6	0.206	
				SILICA	68988-89-6	34	0.179	
				Dimethylhydropoly siloxane	68037-59-2	16	0.716	

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BOURNS®

Total weight	33.5
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This Document was updated on: 2018/04/18