


# MATERIAL DECLARATION SHEET

**BOURNS®**

Material Number	<b>PT61018PEL</b>			
Product Line	<b>LAN Transformer</b>			
Compliance Date	<b>2013-12-10</b>			
RoHS Compliant	<b>YES</b>	MSL	<b>1</b>	

No.	Construction Element(sub part)	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	Core	MnZn ferrite core	0.0942	Iron oxide	1309-37-1	52.58	6.78	12.89
				Zinc oxide	1314-13-2	19.59	2.52	
				Manganese III oxide	1317-34-6	27.78	3.58	
		NiZn ferrite core	0.0505	Paraylene Dimer	1633-22-3	0.05	0.01	6.91
				Iron oxide	1309-37-1	49.98	3.45	
				Zinc oxide	1314-13-2	28.98	2.00	
2	Wire	Polyurethane/ Polyamide Enamelled Copper Wire	0.0156	Nickel oxide	1313-99-1	20.99	1.45	2.13
				Paraylene Dimer	1633-22-3	0.05	0.01	
				Copper	7440-50-8	87.5	1.864	
				Polyurethane resin	9009-54-5	11.9	0.253	
3	Case	Diallyl Phthalate (DAP) Molding Compound	0.410	Polyamide resin	70024-79-2	0.6	0.013	56.11
				Diallyl phthalate	25035-78-3	30	16.833	
				Aluminum hydroxide	21645-51-2	40	22.444	
4	Terminal PIN	Phosphor Bronze Alloys	0.0589	Glass Fiber	65997-17-3	30	16.833	8.07
				Copper	7440-50-8	91.650	7.40	
				Tin	7440-31-5	8.000	0.64	
5	Varnish	Insulated Paint	0.0346	Phosphorus	7723-14-0	0.350	0.31	4.74
				Alkyd Resin	63148-69-6	91	4.31	
6	Ink	Hot sclerosis type labeled text printing ink	0.0054	Amino Resin	68002-26-6	9	0.43	0.74
				Epoxy Resin	61788-97-4	56.18	0.42	
				Barium sulfate	7727-43-7	39.32	0.29	
7	Potting	Silicone	0.042	Carbon black	1333-86-4	4.5	0.03	5.75
				Vinyl-terminated Polysiloxane	68083-19-2	35	2.01	
				Silicon dioxide	14808-60-7	60	3.45	
				Adhesion Promoter	Trade secret	3.5	0.20	
8	Solder	Sn96/Cu4	0.0194	Tin	7440-31-5	96	2.55	2.66
				Copper	7440-50-8	4	0.11	
Total weight			0.7306					

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