

MATERIAL DECLARATION SHEET



Material Number	PWR247T-100-XXXX			
Product Line	Power Resistor			
Compliance Date	December 1, 2017			
RoHS Compliant	Yes	MSL	N/A	

No.	Construction Element (Subpart)	Homogeneous Material	Material Weight (g)	Homogeneous Material	CASRN	Material Mass %	Material Mass % of total unit wt.	Subpart mass of total wt. (%)
				Substance				
1	Housing	Epoxy Molding Compound	2.409	Silica	14808-60-7	53	39.4	74.29
				Epoxy resin	29690-82-2	25	18.6	
				Phenolic resin	9003-35-4	15	11.1	
				Antimony trioxide	1309-64-4	3	2.2	
				Brominated epoxy resin	40039-93-8	3	2.2	
2	Terminals	Copper	0.127	Copper	7440-50-8	99.999	3.902	3.90
				Oxygen	7782-44-7	0.001	0.00004	
		Plating	0.008	Tin	7440-31-5	100	0.249	0.25
3	Substrate	Alumina	0.559	Aluminum oxide	1344-28-1	88	15.1787	17.25
				Manganese dioxide	1313-13-9	3.5	0.6037	
				Titanium dioxide	13463-67-7	3.5	0.6037	
				Chromium (III)oxide	1308-38-9	2.5	0.4312	
				Silicon dioxide	14808-60-7	2.5	0.4312	
4	Term Ink	Ink	0.002	Silver	7440-22-4	93	0.0451	0.05
				Bismuth	7440-69-9	2	0.0010	
				Lead Glass	7439-92-1	2	0.0010	
				Platinum	7440-06-4	2	0.0010	
				Copper	7440-50-8	1	0.0005	

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5	Resistor Paste	Ink	0.004	Palladium	7440-05-3	33.4	0.04342	0.13
				Boraluminosilicate glass	12788-79-3	40	0.052	
				Silver	7440-22-4	20	0.026	
				Ruthenium dioxide	12036-10-1	1.3	0.00169	
				Manganese	7439-96-5	1.3	0.00169	
				Alumina	1344-28-1	4	0.0052	
6	Encapsulant	Ink	0.001	Lead glass	7439-92-1	58	0.0182	0.03
				Glass without declarable substances	65997-17-3	42	0.0132	
7	Solder paste	Solder (M00572)	0.133	Tin	7440-31-5	84	3.4446	4.10
				Rosin	8050-09-7	5	0.2050	
				Silver	7440-22-4	10	0.4101	
				Copper	7440-50-8	1	0.0410	
Total Weight			3.243					

This Document was updated on: December 1, 2017

Important remarks:

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