


MATERIAL DECLARATION



Material Number	PWR263S-35XXX			
Product Line	Power Resistor			
Compliance Date	July,5 2017			
RoHS Compliant	Yes	MSL	N/A	

PWR263S-35XXX

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	0.500	Silica	14808-60-7	53	19.05	35.95
				Epoxy resin	29690-82-2	25	8.99	
				Phenolic resin	9003-35-4	15	5.39	
				Antimony trioxide	1309-64-4	3	1.08	
				Brominated epoxy resin	40039-93-8	3	1.08	
				Carbon Black	1333-86-4	1	0.36	
2	Back Plate	Copper	0.670	Copper	7440-50-8	99.999	48.166	48.18
				Oxygen	7782-44-7	0.001	0.0005	
		Plating	0.003	Nickel	7440-02-0	100	35.95	0.22
3	Terminals	Copper	0.110	Copper	7440-50-8	99.999	7.908	7.91
				Oxygen	7782-44-7	0.001	0.00008	
		Plating	0.007	Tin	7440-31-5	100	0.503	0.503
4	Solder Paste	Solder	0.020	Tin	7440-31-5	84	1.2078	1.44
				Rosin	8050-09-7	5	0.0719	

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				Silver	7440-22-4	10	0.1438	
				Copper	7440-50-8	1	0.0144	
5	Substrate	Alumina	0.078	Aluminum oxide	1344-28-1	88	4.9346	5.61
				Manganese dioxide	1313-13-9	3.5	0.1963	
				Titanium-dioxide	13463-67-7	3.5	0.1963	
				Chromium(III)oxide	1308-38-9	2.5	0.1402	
				Quartz (Silicon dioxide)	14808-60-7	2.5	0.1402	
6	Term Ink	Ink	0.002	Silver	7440-22-4	96	0.1380	0.14
				Lead-Oxide	1309-60-0	1	0.0014	
				Dibismuth-trioxide	1304-76-3	1	0.0014	
				Platinum	7440-06-4	1	0.0014	
				Confidential Substances	Trade Secret	1	0.0014	
7	Resistive Ink	Ink	0.0005	Palladium	7440-05-3	33	0.0190	0.04
				Boron	7440-42-8	10	0.0036	
				Aluminum	7429-90-5	10	0.0036	
				Silicon	7440-21-3	10	0.0036	
				Lead	7439-92-1	10	0.0036	
				Silver	7440-22-4	20	0.0115	
				Ruthenium dioxide	12036-10-1	1.5	0.0009	
				Manganese dioxide	1313-13-9	1.5	0.0009	
				Alumina	1344-28-1	4	0.0023	
8	Encapsulant Glaze Ink	Ink	0.0001	Lead	1317-36-8	56.63	0.0037	0.01
				Silicon dioxide	7631-86-9	27.89	0.0018	
				Diboron-trioxide	1303-86-2	9.15	0.0006	
				Chromium(III)oxide	1308-38-9	3.15	0.0002	
				Confidential Substances without declarable	trade secret	3.15	0.0002	

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			substances				
		Total Weight	1.391				

This Document was updated on: 9-10-2018

Important remarks:

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