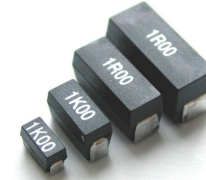


MATERIAL DECLARATION



Material Number	PWR2010W		
Product Line	SMD Power Wirewound Resistor		
Compliance Date	May 06. 2010		
RoHS Compliant	Yes	MSL	

No.	Construction Element (subpart)	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	Ceramic Core - End Cap Sub Assembly	Steatite Core	0.0127	Aluminum oxide	1344-28-1	83.08	29.69	33.05
				Silicon dioxide	14808-60-7	15.00	5.36	
				Magnesium oxide	1309-48-4	0.19	0.07	
				Calcium oxide	1305-78-8	0.18	0.06	
				Iron oxide	1309-37-1	0.17	0.06	
				Sodium oxide	1313-59-3	1.02	0.36	
				Potassium oxide	12136-45-7	0.21	0.08	
				Barium oxide	1304-28-5	0.15	0.05	
		End Cap	0.0183	Iron	7439-89-6	98.81	50.8	
				Carbon	1333-86-4	0.18	0.09	
				Manganese	7439-96-5	0.82	0.42	
				Sulfur	7704-34-9	0.08	0.04	
				Phosphorus	7723-14-0	0.11	0.06	
Copper Plating	0.0034	Copper	7440-50-8	100.00	9.64			
Tin Plating	0.0011	Tin	7440-31-5	100.00	3.21			
2	Ceramic Core - Lead Sub Assembly	Copper Lead	0.0170	Copper	7440-50-8	100.00	95.24	16.54
		Tin Plating	0.0008	Tin	7440-31-5	100.00	4.76	
3	Alloy Resistance Wire	Resistance Wire	0.0025	Nickel	7440-02-0	81.00	81.00	2.92
			0.0005	Chromium III	7440-47-3	15.00	15.00	
			0.0001	Aluminum	7429-90-5	4.00	4.00	
4	Protective Coat	Silicone Resin	0.0020	Silicone	63394-02-5	100.00	100.00	1.51

MATERIAL DECLARATION



5	Epoxy Encapsulation	Epoxy Molding Compound	0.0492	Silica	14808-60-7	60.00	59.96	45.65
				Epoxy Resin	29690-82-2	29.00	28.98	
				Phenol Resin	9003-35-4	10.00	9.99	
				Antimony Trioxide	1309-64-4	5.00	5.00	
				Brominated Epoxy R.	40039-93-8	5.00	5.00	
				Carbon Black	1333-86-4	1.00	1.00	
				Total weight	0.1077			

This Document was updated on: May 06th. 2010

Important remarks:

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