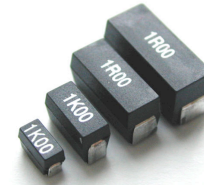


MATERIAL DECLARATION



Material Number	PWR5322 W		
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	0.3416	Aluminum oxide	1334-28-1	83.08	25.67	42.44
				Silicon dioxide	14808-60-7	15.00	4.63	
				Magnesium oxide	1309-48-4	0.19	0.06	
				Calcium oxide	1305-78-8	0.18	0.06	
				Iron oxide	1309-37-1	0.17	0.05	
				Sodium oxide	1313-59-3	1.02	0.31	
				Potassium oxide	12136-45-7	0.21	0.06	
				Barium oxide	1304-28-5	0.15	0.05	
		End Cap	0.1020	Iron	7439-89-6	98.81	9.12	
				Carbon	1333-86-4	0.18	0.02	
				Manganese	7439-96-5	0.82	0.07	
				Sulfur	7704-34-9	0.08	0.01	
				Phosphorus	7723-14-0	0.11	0.01	
Copper Plating	0.0191	Copper	7440-50-8	100.00	1.73			
Tin Plating	0.0064	Tin	7440-31-5	100.00	0.58			
2	Ceramic Core - Lead Sub Assembly	Copper Lead	0.0833	Copper	7440-50-8	100.00	7.53	7.91
		Tin Plating	0.0042	Tin	7440-31-5	100.00	0.38	
3	Alloy Resistance Wire	Resistance Wire	0.0188	Nickel	7440-02-0	81.00	1.38	1.70
				Chromium III	7440-47-3	15.00	0.25	
				Aluminum	7429-90-5	4.00	0.07	
4	Protective Coat	Silicone Resin	0.0201	Silicone	63394-02-5	100.00	1.82	1.82

MATERIAL DECLARATION



5	Marking	Epoxy	0.0003	Epoxy resin	25068-38-6	60.00	0.02	0.03
				Titanium dioxide	13463-67-7	40.00	0.01	
6	Epoxy Encapsulation	Epoxy Molding Compound	0.5096	Silica	14808-60-7	64.00	29.50	46.10
				Epoxy Resin	29690-82-2	20.00	9.22	
				Phenol Resin	9003-35-4	12.50	5.76	
				Antimony Trioxide	1309-64-4	2.50	1.15	
				Brominated Epoxy Resin	40039-93-8	0.50	0.23	
				Carbon Black	1333-86-4	0.50	0.23	
		Total weight	1.1054					

This Document was updated on: August 16, 2010

Important remarks:

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