

MATERIAL DECLARATION



Material Number	PWR4318 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	0.1394	Aluminum oxide	1344-28-1	83.08	53.20	34.63
				Silicon dioxide	14808-60-7	15.00	9.61	
				Magnesium oxide	1309-48-4	0.19	0.12	
				Calcium oxide	1305-78-8	0.18	0.12	
				Iron oxide	1309-37-1	0.17	0.11	
				Sodium oxide	1313-59-3	1.02	0.65	
				Potassium oxide	12136-45-7	0.21	0.13	
				Barium oxide	1304-28-5	0.15	0.10	
		End Cap	0.0626	Iron	7439-89-6	98.81	28.43	
				Carbon	133386-4	0.18	0.05	
				Manganese	7439-96-5	0.82	0.24	
				Sulfur	7704-34-9	0.08	0.02	
				Phosphorus	7723-14-0	0.11	0.03	
Copper Plating	0.0117	Copper	7440-50-8	100.00	5.39			
Tin Plating	0.0039	Tin	7440-31-5	100.00	1.80			
2	Ceramic Core - Lead Sub Assembly	Copper Lead	0.0433	Copper	7440-50-8	100.00	95.24	7.23
		Tin Plating	0.0022	Tin	7440-31-5	100.00	4.76	
3	Alloy Resistance Wire	Resistance Wire	0.0102	Nickel	7440-02-0	81.00	81.00	2.00
			0.0019	Chromium III	7440-47-3	15.00	15.00	
			0.0005	Aluminum	7429-90-5	4.00	4.00	

MATERIAL DECLARATION



4	Protective Coat	Silicone resin	0.0097	Silicone	63394-02-5	100.00	100.00	1.54
5	Epoxy Encapsulation	Epoxy Molding Compound	0.3432	Silica	14808-60-7	60.00	60.00	54.60
				Epoxy Resin	29690-82-2	29.00	29.00	
				Phenol Resin	9003-35-4	10.00	10.00	
				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	0.6286					

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.