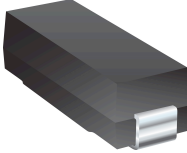


MATERIAL DECLARATION SHEET



Material Number	PWR1913			
Product Line	SURFACE MOUNT WIREWOUND RESISTOR			
Compliance Date	1/1/2000			
RoHS Compliant	YES	MSL	2	

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	LEAD WIRE	COPPER	0.03317	Copper	7440-50-8	100	30.865	30.87
2	LEAD WIRE PLATING	TIN	0.00068	Tin	7440-31-5	100	0.634	0.63
3	END CAPS	1018 STEEL	0.01283	Carbon	1333-86-4	0.17	0.020	11.93
				Iron	7439-89-6	98.99	11.809	
				Manganese	7439-96-5	0.75	0.089	
				Phosphorus	7440-31-5	0.04	0.005	
4	RESISTANCE WIRE	Ni-Cr ALLOY	0.00295	Sulfur	7704-34-9	0.05	0.006	2.74
				Nickel	7440-02-0	73.99	2.029	
				Chromium	7440-47-3	20.00	0.549	
				Aluminum	7429-90-5	3.00	0.082	
5	EPOXY ENCAPSULANT	EPOXY	0.0395	Silicon	7440-21-3	3.00	0.082	36.74
				Epoxy cresol novolac	29690-82-2	20.00	7.349	
				Silica	60676-86-0	60.00	22.046	
				Polynitrilo(diphenoxyphosphora nylidyne))	28212-48-8	10.00	3.674	
6	CORE	STEATITE	0.01840	Carbon black	1333-86-4	5.0	1.837	17.10
				2-Methylimidazole	693-98-1	5.0	1.837	

MATERIAL DECLARATION SHEET



				Silicon dioxide	60676-86-0	23.42	4.004	
				Magnesium oxide	1309-48-4	0.18	0.031	
				Sodium dioxide	12401-86-4	0.91	0.156	
				Iron oxide	1309-37-1	0.12	0.021	
				Calcium oxide	1305-78-8	0.18	0.031	
				Titanium dioxide	13463-67-7	0.06	0.010	
				Boron trioxide*	1303-86-2	0.12	0.021	
			Total Weight	0.10753				

This Document was updated on 3-11-2014

Important remarks:

1. It is the responsibility of the user to verify they are accessing the latest version.
2. * Oxides listed are part of a core matrix, not present as an individual compound.