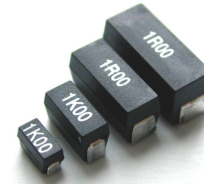


# MATERIAL DECLARATION SHEET



Material Number	<b>PWR3014W</b>		
Product Line	<b>Surface Mound Wirewound Power Resistor</b>		
Compliance Date	<b>September 4, 2016</b>		
RoHS Compliant	<b>Yes</b>	<b>MSL</b>	<b>1</b>



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	Ceramic Core	0.0419	Aluminum oxide	1344-28-1	83.08%	42.98%	28.77%
				Quartz	14808-60-7	15.00%	7.76%	
				Magnesium oxide	1309-48-4	0.19%	0.10%	
				Calcium oxide	1305-78-8	0.18%	0.09%	
				Ferric oxide	1309-37-1	0.17%	0.09%	
				Sodium oxide	1313-59-3	1.02%	0.53%	
				Potassium oxide	12136-45-7	0.21%	0.11%	
		End Cap	0.0313	Iron	7439-89-6	98.81%	38.16%	
				Carbon	7440-44-0	0.18%	0.07%	
				Manganese	7439-96-5	0.82%	0.32%	
				Sulfur	7704-34-9	0.08%	0.03%	
		Copper Plating	0.0059	Copper	7440-50-8	100.00%	7.24%	
				Tin Plating	0.0020	Tin	7440-31-5	
2	Ceramic Core - Lead	Copper Lead	0.0332	Copper	7440-50-8	100.00%	95.24%	12.36%
		Tin Plating	0.0017	Tin	7440-31-5	100.00%	4.76%	
3	Alloy Resistance Wire	Nickel	0.00628	Nickel	7440-02-0	81.00%	81.00%	2.23%
		Chromium		Chromium	7440-47-3	15.00%	15.00%	
		Aluminum		Aluminum	7429-90-5	4.00%	4.00%	
4	Protective Coat	Silicone Resin	0.0038	Silica	14808-60-7	100.00%	100.00%	1.35%

# MATERIAL DECLARATION SHEET



5	Epoxy Mold	Epoxy Molding Compound	0.1557	Silica	14808-60-7	64.00%	64.00%	55.29%
				Epoxy Resin	29690-82-2	20.00%	20.00%	
				Phenol Resin	9003-35-4	12.50%	12.50%	
				Antimony Trioxide	1309-64-4	2.50%	2.50%	
				Brominated Epoxy R.	40039-93-8	0.50%	0.50%	
				Carbon Black	1333-86-4	0.50%	0.50%	
		Total	0.2816					

**This Document was updated on: September 4, 2016**

**Important remarks:**

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