



Material Declaration Data Sheet

RNV14

High Voltage Anti-moisture Metal Film Resistor



Date: **March 12, 2013** Max Temp: **260°C** (Contact factory for detailed soldering recommendations.)
 Component Weight (mg): **211.8550**

BOM Item	Material	CAS Number	Material Weight (mg)	Material PPM of Component	Material % of BOM Item	BOM Item Weight (mg)	BOM Item % of Component
Alumina core	aluminum oxide	1344-28-1	32.6027	153,891	82.33%	39.6000	18.69%
	silicon dioxide	14808-60-7	4.8272	22,786	12.19%		
	magnesium oxide	1309-48-4	0.3683	1,738	0.93%		
	calcium oxide	1305-78-8	0.5742	2,710	1.45%		
	diiron trioxide	1309-37-1	0.1109	523	0.28%		
	sodium oxide	1313-59-3	0.0356	168	0.09%		
	potassium oxide	12136-45-7	0.0475	224	0.12%		
	barium oxide	1304-28-5	1.0336	4,879	2.61%		
Resistive element	nickel	7440-02-0	0.3275	1,546	50.00%	0.6550	0.31%
	chromium	7440-47-3	0.2620	1,237	40.00%		
	silicon dioxide	14808-60-7	0.0655	309	10.00%		
Cap and lead assembly	iron	7439-89-6	29.0700	137,216	19.06%	152.5114	71.99%
	copper	7440-50-8	123.4414	582,669	80.94%		
Termination plating	tin	7440-31-5	4.2386	20,007	100.00%	4.2386	2.00%
Under-coat	epoxy resin	25068-38-6	10.4991	49,558	77.37%	13.5700	6.41%
	diiron trioxide	1309-37-1	0.5591	2,639	4.12%		
	iron hydroxide oxide	20344-49-4	2.5118	11,856	18.51%		
Over-coat	phenol, polymer w/ formaldehyde	9003-35-4	0.8000	3,776	100.00%	0.8000	0.38%
Marking ink	tributyl phosphate	126-73-8	0.4800	2,266	100.00%	0.4800	0.23%
Total Weight			211.8550				

* Weights are approximate.