



Material Declaration Data Sheet

RC14 (Formerly RC 1/4)

Carbon Composition Leaded Resistors

Date: November 9, 2012	Max Temp: 250°C (Contact factory for detailed soldering recommendations.)
Component Weight (mg): 221.90	

BOM Item	Material	CAS Number	Material Weight (mg)	Material PPM of Component	Material % of BOM Item	BOM Item Weight (mg)	BOM Item % of Component
Resistor element	silicon dioxide	7631-86-9	10.80	48,671	81.20%	13.3000	5.99%
	carbon c	7440-44-0	0.80	3,605	6.02%		
	xylylene resin	26139-75-3	1.70	7,661	12.78%		
Over coating	silicon dioxide	7631-86-9	25.20	113,565	63.48%	39.7000	17.89%
	aluminum oxide	1344-28-1	1.20	5,408	3.02%		
	magnesium oxide	1309-48-4	4.80	21,631	12.09%		
	diiron trioxide	1309-37-1	0.30	1,352	0.76%		
	polyethylene	9002-88-4	8.20	36,954	20.65%		
Protect coating	epoxy resin	25068-38-6	3.10	13,970	79.49%	3.9000	1.76%
	polyester resin	68604-67-1	0.40	1,803	10.26%		
	titanium oxide	13463-67-7	0.40	1,803	10.26%		
Lead wire	copper	7440-50-8	157.40	709,329	95.39%	165.0000	74.36%
	tin	7440-31-5	7.60	34,250	4.61%		
Total Weight			221.90				

* Weights are approximate



Material Declaration Data Sheet

RC12 (Formerly RC 1/2)

Carbon Composition Leaded Resistors



Date: **November 9, 2012** Max Temp: **250°C** (Contact factory for detailed soldering recommendations.)
 Component Weight (mg): **422.10**

BOM Item	Material	CAS Number	Material Weight (mg)	Material PPM of Component	Material % of BOM Item	BOM Item Weight (mg)	BOM Item % of Component
Resistor element	silicon dioxide	7631-86-9	39.50	93,580	81.28%	48.6000	11.51%
	carbon c	7440-44-0	2.80	6,633	5.76%		
	xylylene resin	26139-75-3	6.30	14,925	12.96%		
Over coating	silicon dioxide	7631-86-9	92.70	219,616	63.49%	146.0000	34.59%
	aluminum oxide	1344-28-1	4.50	10,661	3.08%		
	magnesium oxide	1309-48-4	17.70	41,933	12.12%		
	diiron trioxide	1309-37-1	1.00	2,369	0.68%		
	polyethylene	9002-88-4	30.10	71,310	20.62%		
Protect coating	epoxy resin	25068-38-6	3.00	7,107	78.95%	3.8000	0.90%
	polyester resin	68604-67-1	0.40	948	10.53%		
	titanium oxide	13463-67-7	0.40	948	10.53%		
Lead wire	copper	7440-50-8	213.40	505,567	95.40%	223.7000	53.00%
	tin	7440-31-5	10.30	24,402	4.60%		
Total Weight			422.10				

* Weights are approximate



Material Declaration Data Sheet

RC1 (Formerly RC 1)

Carbon Composition Leaded Resistors



Date: **November 9, 2012** Max Temp: **250°C** (Contact factory for detailed soldering recommendations.)
 Component Weight (mg): **1,181.20**

BOM Item	Material	CAS Number	Material Weight (mg)	Material PPM of Component	Material % of BOM Item	BOM Item Weight (mg)	BOM Item % of Component
Resistor element	silicon dioxide	7631-86-9	110.50	93,548	81.28%	135.9561	11.51%
	carbon c	7440-44-0	7.83	6,631	5.76%		
	xylylene resin	26139-75-3	17.62	14,920	12.96%		
Over coating	silicon dioxide	7631-86-9	259.42	219,623	63.49%	408.5771	34.59%
	aluminum oxide	1344-28-1	12.59	10,661	3.08%		
	magnesium oxide	1309-48-4	49.53	41,934	12.12%		
	diiron trioxide	1309-37-1	2.80	2,369	0.68%		
	polyethylene	9002-88-4	84.23	71,312	20.62%		
Protect coating	epoxy resin	25068-38-6	8.39	7,105	78.95%	10.6308	0.90%
	polyester resin	68604-67-1	1.12	947	10.53%		
	titanium oxide	13463-67-7	1.12	947	10.53%		
Lead wire	copper	7440-50-8	597.21	505,597	95.40%	626.0360	53.00%
	tin	7440-31-5	28.83	24,403	4.60%		
Total Weight			1181.20				

* Weights are approximate