

ELEMENTAL ANALYSIS



RoHS Compliant

**MAX  
260°C**

**MSL  
1**



PRODUCT FAMILY	Material	CAS Number	% Normalize for BOM	Wt. Of BOM Item (g)	% by Wt (Comp. Item)	mg/unit	% by Wt Of Unit 443.00	ppm
770 10	Alumina Ceramic	Al2O3	0.4045	0.1792	95.00%	170.2338	38.43%	384275
		SiO2			5.00%	8.9597	2.02%	20225
					<b>100.00%</b>	<b>179.1935</b>		
Conductor Thick Film	Ag	7440-22-4	0.0057	0.0025	99.00%	2.4998	0.56%	5643
	Pd	7440-05-3			1.00%	0.0253	0.01%	57
					<b>100.00%</b>	<b>2.5251</b>		
Resistor Thick Film	RuO2	12036-10-1	0.0045	0.0020	30.00%	0.5981	0.14%	1350
	PbO	1317-36-8			10.00%	0.1994	0.05%	450
	SiO2	14808-60-7			30.00%	0.5981	0.14%	1350
	B2O3	1303-86-2			30.00%	0.5981	0.14%	1350
					<b>100.00%</b>	<b>1.9935</b>		
Overcoat	PbO	1317-36-8	0.0045	0.0020	14.00%	0.2791	0.06%	630
	SiO2	14808-60-7			43.00%	0.8572	0.19%	1935
	B2O3	1303-86-2			43.00%	0.8572	0.19%	1935
					<b>100.00%</b>	<b>1.9935</b>		
Lead Terminals	Fe	7439-89-6	0.1917	0.0849	92.35%	78.4265	17.70%	177035
	Mn	7439-96-5			2.15%	1.8258	0.41%	4122
	Cu	7440-50-8			2.00%	1.6985	0.38%	3834
	Sn	7440-31-5			3.50%	2.9723	0.67%	6710
					<b>100.00%</b>	<b>84.9231</b>		
Solder	Sn	7440-31-5	0.0564	0.0250	96.50%	24.1107	5.44%	54426
	Ag	7440-22-4			3.00%	0.7496	0.17%	1692
	Cu	7440-50-8			0.50%	0.1249	0.03%	282
					<b>100.00%</b>	<b>24.9852</b>		
Protective coating	Epoxy Resin	25068-38-6	0.3327	0.1474	36.00%	53.0590	11.98%	119772
	Phenol, 4,4'	40039-93-8			17.00%	25.0556	5.66%	56559
	SiO2 (silica)	60676-86-0			47.00%	69.2715	15.64%	156369
	Sum		1.0000 part weight	0.4430	<b>100.00%</b>	<b>147.3861</b>		
				0.4430				
		<b>Totals:</b>		<b>0.4430</b>		<b>443.00</b>	<b>100.00%</b>	<b>1000000</b>

RoHS exemption claimed for lead in glass of electronic component