

# Material Composition for Model 25 Trimmer

Sub-component	Material	% of Total Mass	Substance Name	CAS #	Substance Mass (grams)	Special Classification
Housing	PBT	48.20%	PBT	30965-26-5	1.59E-01	
Rotor	PBT	7.58%	PBT	30965-26-5	2.50E-02	
Contact	Nickel Silver alloy	1.79%	Ni	7440-02-0	8.00E-04	
			Cu	7440-50-8	3.40E-03	
			Zn	7440-66-6	1.70E-03	
Terminals	Cu wire	12.12%	Cu	7440-50-8	4.00E-02	
	Sn plating	0.61%	Sn	7440-31-5	2.00E-03	
O-ring	Rubber	0.61%	silicone rubber	unknown	2.00E-03	non-hazardous
Potting	Epoxy	10.61%	DGEBA Epoxy	25068-3-6	3.40E-02	Contains BPA Fire Retardant
			Antimony Trioxide	1309-64-4	1.00E-03	
Substrate	Alumina	17.28%	Al <sub>2</sub> O <sub>3</sub>	1344-28-1	5.70E-02	
Thick Film Element	Cermet	1.21%	Ag	7440-22-4	3.00E-03	RoHS exemption 34
			PbO	1317-36-8	1.00E-03	
<b>Total mass</b>					<b>0.330</b>	<b>grams</b>