



Ohmite Manufacturing
AS series Anti-Surge Series Resistors
Covers all sizes and values

Test Part # AS12XXXE

No	Component Item	Material Name	CAS No.	Substance Mass (mg/pc)	% of homogeneous material	Remarks
1	Substrate	Aluminium trioxide	1344-28-1	36.858336	96%	
		Silicon Dioxide	7631-86-9	0.767882	2%	
		Magnesium Oxide	1309-48-4	0.767882	2%	
2	Termination inner C1	Silver	7440-22-4	0.38345	50%	
		Glass	65997-18-4	0.046014	6%	
		Ethyl Cellulose	9004-57-3	0.046014	6%	
		Terpineol	8000-41-7	0.291422	38%	
3	Termination inner C2	Silver	7440-22-4	0.19341	70%	
		Palladium	7440-05-3	0.002763	1%	
		Glass	65997-18-4	0.008289	3%	
		Ethyl Cellulose	9004-57-3	0.013815	5%	
		Terpineol	8000-41-7	0.058023	21%	
4	Termination inner C3	Nickel	7440-02-0	0.03632	80%	
		Chromium	7440-47-3	0.00908	20%	
5	Resistive Element	Ruthenium oxide	12036-10-1	0.014845	5.00%	RoHS Exemption 7 (C)-I
		Silver	7440-22-4	0.103915	35.00%	
		Glass	65997-18-4	0.1703909	57.39%	
		Lead	7439-92-1	0.0077491	2.61%	
6	Protective Coating G1	Glass	65997-18-4	0.058022	67%	
		Ethyl Cellulose	9004-57-3	0.002598	3%	
		Turpentine alcoholize	10482-56-1	0.02598	30%	
7	Protective Coating G2	Resin	25036-25-3	0.05628	35%	
		Titanium dioxide	13463-67-7	0.01608	10%	
		Calcium carbonate	471-34-1	0.03216	20%	
		Talc	14807-96-6	0.01608	10%	
		Butyl carbitol	112-34-5	0.0402	25%	
8	Term inter	Nickel	7440-02-0	0.7545	100%	
9	Termination outer	Tin	7440-31-5	0.7463	100%	
10	Marking	Epoxy resin	25085-99-8	0.00105	50%	
		Barium sulfate	7727-43-7	0.000315	15%	
		Titanium dioxide	13463-67-7	0.00063	30%	
		Diethyleneglycol	112-15-2	0.000105	5%	

Total	41.529900
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