

Content Data IMS A Series Attenuators – Lead Free (PbF) Terminations

Construction	Material	Substance
Substrate	Ceramic	Al ₂ O ₃
Resistor	Nichrome alloy	Ni, Cr
Protective Coating	Epoxy	Resin overcoat epoxy
Inner Termination	Copper plating	Cu
2 nd Termination	Plating (Ni)	Ni
3 rd Termination	Plating (Sn)	Sn

Substance			A-0402WA	A-0805	A-1206	A-1612-C
Name	Symbol	CAS No.	weight %	weight %	weight %	weight %
Nickel	Ni	7440-02-0	2.758	3.923	4.534	0.005
Tin	Sn	7440-31-5	1.566	2.235	2.578	0.949
Copper	Cu	7440-50-8	0.335	0.370	0.369	0.168
Chromium	Cr	7440-47-3	0.009	0.024	0.013	0.001
Alumina	Al ₂ O ₃	1344-28-1	95.038	93.316	92.350	98.864
Resin overcoat epoxy			0.294	0.132	0.156	0.013
	reference weight (mg)		.747	3.80	7.504	29.5