

# Material Data Declaration Sheet

**ECS INC. INTERNATIONAL**

ECS Model	ECS-DCF-105				
Product Description	Dielectric Ceramic Monoblock Filter				
Product Total Weight	570mg/pcs				
Contact Information	Company	ECS INC. INTERNATIONAL			
	Contact Name	AJ Anderson			
	Address	15351 W 109th Street Lenexa, KS 66219			
	Phone Number	913-782-7787			
Homogenous Component/Subcomponent	Homogenous Component/Subcomponent Weight (mg)	Substance	CAS Number	Substance Weight (mg)	PPM
Ceramic	420.00	MgO	1309-48-4	42.0	100000
		BaCO3	513-77-9	42.0	100000
		TiO2	1317-80-2	189.0	450000
		CaCO3	471-34-1	73.5	175000
		Sm2O3	12060-58-1	73.5	175000
Electrode Layer	20.00	Ag	7440-22-4	10.0	500000
		Cu	7440-50-8	10.0	500000
Solder	10.00	Sn	7440-31-5	9.6	960000
		Ag	7440-22-4	0.2	20000
		Cu	7440-50-8	0.2	20000
Shielding Frame	120.00	Cu	7440-50-8	79.2	660000
		Ni	7440-02-0	24.0	200000
		Zn	7440-66-6	16.8	140000