

Materials Declaration

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Product Family : 9.6x11.4mm TCXO (FOX801xHCLF Series)

		Component	Content (mg)	Content (w t %)	(CAS Number)
Cover		Nickel (Ni)	42.00	9.60%	7440-02-0
		Copper (Cu)	126.10	28.83%	7440-50-8
		Zinc (Zn)	52.50	12.001%	7440-66-6
Substrate	Resist Ink	Resin	9.640	2.2%	
	Board	BT Resin	19.000	4.34%	
		Glass Fiber (SiO ₂)	38.000	8.69%	7631-86-9
	Pattern	Copper (Cu)	38.000	8.687%	7440-50-8
		Nickel (Ni)	0.500	0.11%	7440-02-0
		Gold (Au)	0.100	0.02%	7440-57-5
IC	Chip	Silicon	0.093	0.021%	7440-21-3
		Aluminum	0.001	0.0001%	7429-90-5
	Molding	Epoxy Resin	0.960	0.22%	
		Brominated Epoxy	0.074	0.017%	
		Antimony Trioxide (Sb ₂ O ₃)	0.015	0.003%	1309-64-4
		Silica	2.620	0.599%	
	Leadframe	Iron (Fe)	1.310	0.299%	7439-89-6
		Nickel (Ni)	0.940	0.215%	7440-02-0
		Manganese (Mn)	0.018	0.004%	7439-96-5
		Cobalt (Co)	0.023	0.005%	7440-48-4
		Copper (Cu)	0.140	0.032%	7440-50-8
	Termination Coating	Tin (Sn)	0.200	0.046%	7440-31-5
		Silver (Ag)	0.0051	0.001%	7440-22-4
	Wire	Gold (Au)	0.022	0.005%	7440-57-5
	Thermistor		Manganese Oxide (Mn ₃ O ₄)	0.640	0.146%
		Cobalt Oxide (Co ₃ O ₄)	1.010	0.231%	1308-06-1
		Lead Oxide (PbO)	0.162	0.037%	1317-36-8
		Silicon Dioxide (SiO ₂)	0.096	0.022%	7631-86-9
		Chromium Oxide (Cr ₂ O ₃)	0.016	0.004%	1308-38-9
		Boron Oxide (B ₂ O ₃)	0.006	0.001%	1303-86-2
		Nickel (Ni)	0.196	0.045%	7440-02-0
		Silver (Ag)	0.280	0.064%	7440-22-4
		Palladium (Pd)	0.030	0.007%	7440-05-3
		Tin (Sn)	0.364	0.083%	7440-31-5
Capacitor		Tin (Sn)	0.185	0.042290%	7440-31-5
		Nickel (Ni)	0.185	0.042290%	7440-02-0
		Silver (Ag)	1.780	0.406901%	7440-22-4
		Titanium Oxide (TiO ₂)	16.200	3.703259%	13463-67-7
		Palladium (Pd)	4.880	1.116%	7440-05-3
Reflow Solder		Tin (Sn)	19.300	4.411908%	7440-31-5
		Silver (Ag)	0.600	0.137158%	7440-22-4
		Copper (Cu)	0.100	0.022860%	7440-50-8

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FOX801xHCLF Materials Continued

Resistor	Alumina Substrate	Aluminum Oxide (Al ₂ O ₃)	3.1400	0.717792%	1344-28-1	
		Silicon Dioxide (SiO ₂)	0.0972	0.022220%	14808-60-7	
	Electrode Paste	Boron Oxide (B ₂ O ₃)	0.00030	0.000069%	1303-86-2	
		Titanium Oxide (TiO ₂)	0.00030	0.000069%	13463-67-7	
		Lead Oxide (PbO)	0.0054	0.001234%	1317-36-8	
		Silver (Ag)	0.0468	0.010698%	7440-22-4	
		Palladium (Pd)	0.0036	0.000823%	7440-50-3	
		Silicon Dioxide (SiO ₂)	0.0036	0.000823%	7631-86-9	
		Resistor Paste	Ruthenium Oxide (RuO ₂)	0.0132	0.003017%	1344-28-1
	Resistor Paste	Lead Oxide (PbO)	0.0258	0.005898%	1317-36-8	
		Silicon Dioxide (SiO ₂)	0.0138	0.003155%	7631-86-9	
		Boron Oxide (B ₂ O ₃)	0.0054	0.001234%	1303-86-2	
		Aluminum Oxide (Al ₂ O ₃)	0.0012	0.000274%	1344-28-1	
	Protection Glass	Lead Oxide (PbO)	0.0330	0.007544%	1317-36-8	
		Silicon Dioxide (SiO ₂)	0.0180	0.004115%	7631-86-9	
		Boron Oxide (B ₂ O ₃)	0.0066	0.00151%	1303-86-2	
		Aluminum Oxide (Al ₂ O ₃)	0.0024	0.000549%	1344-28-1	
	Plating	Nickel (Ni)	0.0857	0.02%	7440-02-0	
		Tin (Sn)	0.0857	0.020%	7440-31-5	
	Crystal	Cover	Iron (Fe)	5.840	1.335002%	7439-89-6
Nickel (Ni)			3.080	0.704076%	7440-02-0	
Cobalt (Co)			1.700	0.388614%	7440-48-4	
Base		Aluminum Oxide (Al ₂ O ₃)	28.200	6.446414%	1344-28-1	
		Silicon Dioxide (SiO ₂)	1.120	0.256028%	14808-60-7	
		Chromium Oxide (Cr ₂ O ₃)	1.200	0.274315%	1308-38-9	
		Titanium Oxide (TiO ₂)	0.311	0.071093%	13463-67-7	
		Tungsten (W)	6.210	1.419583%	7440-33-7	
		Molybdenum (Mo)	0.192	0.043890%	7439-98-7	
		Nickel (Ni)	4.130	0.944103%	7440-02-0	
		Gold (Au)	0.32	0.073151%	7440-57-5	
		Crystal Blank	Silicon Dioxide (SiO ₂)	3.270	0.75%	14808-60-7
Plating		Gold (Au)	0.0004	0.0001%	7440-57-5	
		Chromium (Cr)	0.000005	0.000001%	7440-47-3	
Adhesive		Silver (Ag)	0.00037	0.000085%	7440-22-4	
		Silicon (Si)	0.000125	0.000029%	7440-21-3	
TOTAL			437.5	100.00%		