

## Materials Declaration

Company Name : Fox Electronics  
Address: 5570 Enterprise Parkway  
: Ft Myers FL 33905  
Phone : 239-690-2238  
Fax : 239-690-3438  
E-mail : brucec@foxonline.com  
Completed by Bruce Clark

Date : November 12, 2009

Product Family : XpressO 3.2x2.5mm Ceramic

	Material Name	Component	Content (mg)	Content ( w t % )	(CAS Number)
Cover	Kovar	Nickel (Ni)	0.890	3.70%	7440-02-0
		Cobalt (Co)	0.520	2.16%	7440-48-4
		Iron (Fe)	1.635	6.80%	7439-89-6
	Nickel Plating	Nickel (Ni)	0.175	0.73%	7440-02-0
		Phosphorus (P)	0.020	0.08%	7723-14-0
Base	Ceramic	Alumina (Al <sub>2</sub> O <sub>3</sub> )	11.690	48.65%	1344-28-1
		Silicon Oxide (SiO <sub>2</sub> )	0.830	3.45%	7631-86-9
		Chromium Oxide (Cr <sub>2</sub> O <sub>3</sub> )	0.450	1.87%	1308-38-9
	+ Metallization	Tungsten (W)	1.940	8.07%	7440-33-7
		Molybdenum (Mo)	0.100	0.42%	7439-98-7
	+ Nickel Plating	Nickel (Ni)	0.310	1.29%	7440-02-0
		Cobalt (Co)	0.100	0.42%	7440-48-4
	+ Gold Plating	Gold (Au)	0.180	0.75%	7440-57-5
	+ Seal ring	Iron (Fe)	1.620	6.74%	7439-89-6
		Nickel (Ni)	0.870	3.62%	7440-02-0
		Cobalt (Co)	0.510	2.12%	7440-48-4
	+ silver solder	Silver (Ag)	0.580	2.41%	7440-22-4
		Copper (Cu)	0.100	0.42%	7440-50-8
	IC	IC	Aluminum (Al)	0.0300	0.125%
Silicon (Si)			0.4610	1.919%	7440-21-3
Gold		Gold (Au)	0.0800	0.333%	7440-57-5
Adhesive		Silver (Ag)	0.1700	0.708%	7440-22-4
		Phenolic Resin	0.0150	0.062%	
		Epoxy Resin	0.0150	0.062%	
Crystal	Crystal	Silicon Dioxide (SiO <sub>2</sub> )	0.700	2.91%	14808-60-7
	Electrode	Silver (Ag)	0.0118	0.0491%	7440-22-4
		Chromium (Cr)	0.0002	0.0008%	7440-47-3
	Adhesive	Silver (Ag)	0.0200	0.083240%	7440-22-4
		Silicon (Si)	0.0040	0.016648%	7440-21-3
<b>TOTAL</b>			<b>24.027</b>	<b>100.00%</b>	