

深圳市晶科鑫实业有限公司
SHENZHEN CRYSTAL TECHNOLOGY INDUSTRIAL CO., LTD.
Material Data Declaration Sheet

Part Number 料號 6N

Product Description 產品品名: 7050 OSC

Product Total Weight 產品總重: 0.15931g

Nos.	Component part name	Material name		CAS number	Substance weight (g)	Substance weight (%)
1	Base	Al2O3	66.10%	1344-28-1	0.128	80.35%
		SiO2	2.20%	14808-60-7		
		TiO\MgO\CaO	1.20%	/		
		Cr2O3	4%	7440-47-3		
		W	6%	64847-13-8		
		Mo	0.20%	1836-77-7		
		Ag	1.80%	7440-22-4		
		Cu	0.70%	19498-52-3		
		Fe	8.70%	7439-89-6		
		Ni	5.70%	7440-02-0		
		Co	3.20%	7440-48-4		
		Au	0.20%	7440-57-5		
2	Blank	SiO2	100%	14808-60-7	0.0058	3.64%
3	Lid	Fe	53.60%	7439-89-6	0.023	14.44%
		Ni	29%	7440-02-0		
		Cu	17%	19498-52-3		
		Mo	0.40%	1836-77-7		
4	Silver	Ag	100.00%	7440-22-4	0.0023	1.44%
5	Silver Glue	Ag	85%	7440-22-4	0.00021	0.13%
		Resin	15%	/		
Total					0.15931g	100%

编制: 杨霞

审核: 马静

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 Material Data Declaration Sheet

Part Number 料號 7N

Product Description 產品品名: 5032 OSC

Product Total Weight 產品總重: 0.04715g

Nos.	Component part name	Material name		CAS number	Substance weight (g)	Substance weight(%)
1	Base	Al2O3	57.50%	1344-28-1	0.033	69.99%
		SiO2	1.90%	14808-60-7		
		TiO\MgO\CaO	1%	/		
		Cr2O3	3.50%	7440-47-3		
		W	7.20%	64847-13-8		
		Mo	0.20%	1836-77-7		
		Ag	2.90%	7440-22-4		
		Cu	1.10%	19498-52-3		
		Fe	11.50%	7439-89-6		
		Ni	6.20%	7440-02-0		
		Co	3.60%	7440-48-4		
		Au	0.90%	7440-57-5		
2	Blank	SiO2	100%	14808-60-7	0.0026	5.51%
3	Lid	Fe	53.60%	7439-89-6	0.0098	20.78%
		Ni	29%	7440-02-0		
		Cu	17%	19498-52-3		
		Mo	0.40%	1836-77-7		
4	Silver	Ag	100.00%	7440-22-4	0.0016	3.39%
5	Silver Glue	Ag	85%	7440-22-4	0.00015	0.32%
		Resin	15%	/		
Total					0.047151g	100%

编制: 杨霞

审核: 马静

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Material Data Declaration Sheet

Part Number 料號 3N

Product Description 產品品名: 3225 OSC

Product Total Weight 產品總重: 0.02638g

部件名稱 Part Name	均質材料 Homogeneous Materials	均質材料重量 Material Mass	成分、元素 (component 、 Chemical	物質重量 Substance Mass (mg/pcs)	物質百分比 Substance Percentage (%)	CAS No.
Base	Ceramics	14.3100	Al2O3	12.8790	90.00	1344-28-1
			SiO2	0.8586	6.00	7631-86-9
			Cr2O3	0.2862	2.00	1308-38-9
			Mo	0.2862	2.00	7439-98-7
	Metallizing	3.0100	W	3.0100	100.00	7440-33-7
	Plate-Au	0.1300	Au	0.1300	100.00	7440-57-5
	Plate-Ni	0.4700	Ni	0.4700	100.00	7440-02-0
	Kovar Ring	2.2400	Fe	1.1872	53.00	7439-89-6
			Ni	0.6496	29.00	7440-02-0
			Co	0.4032	18.00	7440-48-4
Solder	0.7400	Ag	0.5254	71.00	7440-22-4	
		Cu	0.2146	29.00	7440-50-8	
Lid	Kovar	3.2000	Fe	1.7300	54.00	7439-89-6
			Ni	0.9300	29.00	7440-02-0
			Co	0.5400	17.00	7440-48-4
	Ni Plating	0.3000	Ni	0.3000	100.00	7440-02-0
Blank	Quartz	0.5000	SiO2	0.5000	100.00	14808-60-7
IC	Silicon	0.0800	Si	0.0800	100.00	7440-21-3
Adhesive	3301F	0.6000	Ag	0.4500	75.00	7440-22-4
			Epoxy Resin	0.1500	25.00	26875-67-2
Adhesive	3303G	0.6000	Ag	0.4440	74.00	7440-22-4
			SiO2	0.0600	10.00	14808-60-7
			CH3CH2OH	0.0060	1.00	64-17-5
			Silicone Resin	0.0900	15.00	63148-62-9
Electrode	Ag	0.0900	Ag	0.0900	100.00	7440-22-4
Electrode	Ni	0.0100	Ni	0.0100	100.00	7440-02-0
Bond Wire	Gold	0.1000	Au	0.1000	100.00	7440-57-5

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 Material Data Declaration Sheet

Part Number 料號 2N

Product Description 產品品名: 2520 OSC

Product Total Weight 產品總重: 0.01618g

部件名稱 Part Name	均質材料 Homogeneous Materials	成分、元素 (component、 Chemical element)	均質材料重量 Material Mass (mg/pcs)	物質百分比 Substance Percentage (%)	CAS No.
BASE	Ceramic	Al2O3	7.000000	63.30	1344-28-1
		Cr2O3	0.300000	2.50	1308-38-9
		Mo	0.100000	0.50	7439-98-7
		SiO2	0.500000	4.50	7631-86-9
		W	1.100000	10.00	7440-33-7
	Plate-Au	Au	0.100000	0.60	7440-57-5
	Seal Ring	Co	0.300000	2.90	7440-48-4
		Fe	0.800000	7.10	7439-89-6
		Ni	0.600000	5.50	7440-02-0
	Solder	Ag	0.300000	2.60	7440-22-4
Cu		0.100000	0.50	7440-50-8	
Cover	Kovar	Co	0.320000	16.00	7440-48-4
		Fe	1.100000	55.00	7439-89-6
		Ni	0.580000	29.00	7440-02-0
Blank	Quartz	SiO2	0.160000	100.00	14808-60-7
IC	Silicon	Al	0.001000	0.10	7429-90-5
		Si	0.209000	99.90	7440-21-3
Adhesive	Silver Paste	Ag	1.215000	75.00	7440-22-4
	Silver Paste	Silicone resin	0.405000	25.00	Secret
Adhesive	Silver Paste	Ag	0.584000	80.00	7440-22-4
	Silver Paste	epoxy resin	0.146000	20.00	26875-67-2
Electrode	Metal-Ag	Ag	0.153200	95.75	7440-22-4
Electrode	Metal-Ni	Ni	0.006800	4.25	7440-02-0
Bond Wire	Gold	Au	0.100000	100.00	7440-57-5

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Material Data Declaration Sheet

Part Number 料號 1N

Product Description 產品品名: 2016 OSC

Product Total Weight 產品總重: 7.7704mg

部件名稱 Part Name	Substance同材质部分 的组成物质	Homogenous Component Weight (mg) 同材质部分 的重量 (mg)	CAS number CAS编码	Substance Weight (mg) 组成物质的重量	Substance Percentage (%) 组成物质占整个材料的 百分比
Lid	Fe	1.59340	7439-89-6	0.8590	53.94%
	Ni		7440-02-0	0.4620	29.01%
	Co		7440-48-4	0.2710	17.00%
	Mn		7439-96-5	0.0010	0.03%
	C		7440-44-0	0.0002	0.01%
	Si		7440-21-3	0.0002	0.01%
Blank	SiO ₂	0.16600	14808-60-7	0.1660	100.00%
Base	Al ₂ O ₃	4.73300	134428-1	2.2270	47.05%
	Cr ₂ O ₃		1308-38-9	0.1000	2.11%
	W		7440-33-7	0.7340	15.51%
	Ni		7440-02-0	0.2340	4.94%
	Au		7440-57-5	0.0400	0.84%
	Fe		7439-89-6	1.3480	28.49%
	Co		7440-48-4	0.0500	1.06%
SiliCon IC	Si	0.45700	7440-21-3	0.3490	76.34%
	Al		7429-90-5	0.0700	15.32%
	P		7723-14-0	0.0380	8.34%
Silver Paste	Ag	0.80000	7440-22-4	0.8000	100.00%
Conductive adhesive	Ag	0.01100	7440-22-4	0.0110	100.00%
Golden thread	Au	0.01000	7440-57-5	0.0100	100.00%

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