



Crystals & Oscillators

武汉泰晶电子科技有限公司(TGS CRYSTALS LIMITED)

原材料物质成分拆解表(Substance Analysis List of Raw Material)

型号 (Model): CCME Weight:326.096mg			COMPANY: TGS CRYSTLAS LTD. ADDRESS: WUHAN / CHINA				CONTACT NAME: JACK ZHANG E-mail: jackzhang@tgscrystals.com			PRODUCT DESCRIPTION: CYLINDRICAL CRYSTALS										
COMPONENT/SUBCOMPONENT	Material Name	Material Mass(mg)	SUBSTANCES				Material Analysis(%)	Supplier Name	检测报告编号 Test report No.	送检日期 Test date	有毒有害物质或元素的含量(ppm) Hazardous substances content									
			NAME	SYMBOL	CAS number	WEIGHT					Pb	Cd	Hg	Cr6+	PBBs	PBDEs	总溴 (Br)	总氯 (Cl)		
CAP	METAL CASE	93.736	Copper	Cu	7440-50-8	59.994	64.00%	TGS	SHAEC1702648201	2017-2-27	ND	ND	ND	ND	ND	ND	ND	ND		
			Nickel	Ni	7440-02-0	16.311	17.40%													
			Zinc	Zn	7440-66-6	17.300	18.46%													
			Manganese	Mn	7439-96-5	0.122	0.13%													
			Iron	Fe	7439-89-6	0.009	0.01%													
	SURFACE COATING	10.666	Nickel	Ni	7440-02-0	10.666	100.00%	KOTO	TSNEC1700607202	2017-4-15	ND	ND	ND	ND	ND	ND	ND	ND		
BASE	HEADER(43Ni)	16.489	Nickel	Ni	7440-02-0	6.761	41.00%	TGS	SHAEC1702648202	2017-2-27	ND	ND	ND	ND	ND	ND	ND	ND	ND	
			Iron	Fe	7439-89-6	9.564	58.00%													
			Copper	Cu	7440-48-4	0.082	0.50%													
			Manganese	Mn	7439-96-5	0.066	0.40%													
			Chromium	Cr	7440-47-3	0.016	0.10%													
	GLASS	10.750	Silicon oxide	SiO2	14808-60-7	10.750	100.00%	TGS	SHAEC1702648204	2017-2-27	ND	ND	ND	ND	ND	ND	ND	ND	ND	
	LEADSL(Kovar)	8.267	Iron	Fe	7439-89-6	4.459	53.94%	TGS	SHAEC1702648203	2017-2-27	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
			Nickel	Ni	7440-02-0	2.398	29.01%													
			Copper	Cu	7440-48-4	1.406	17.01%													
			Manganese(Mn)	Mn	7439-96-5	0.004	0.05%													
	SURFACE COATING	0.096	Copper	Cu	7440-50-8	0.096	100.00%	KOTO	TSNEC1700607201	2017-4-14	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.A.	N.A.		
		7.563	Nickel	Ni	7440-02-0	0.067	0.89%	KOTO	TSNEC1700286501	2017-3-3	9E+05	ND	ND	ND	ND	ND	ND	ND	ND	
Tin			Sn	7440-31-5	0.717	9.48%														
plumbum			Pb	7439-92-1	6.779	89.63%														
QUARTZ(BLANK)	QUARTZ BLANK	4.964	Silicom oxide	SiO2	14808-60-7	4.964	100.00%	ZHUHAI	CANCE162352970	2016-12-23	ND	ND	ND	ND	ND	ND	ND	ND		
BLANK METALIZATION	BLANK METALIZATION	0.055	Chromium	Cr	7440-47-3	0.004	7.27%	YONGSHE NG	HAEC1628417702	2017-1-14	ND	ND	ND	ND	ND	ND	ND	ND	ND	
			Silver	Ag	7440-22-4	0.051	92.73%													
			plumbum	Pb	7439-92-1	2.670	93.36%													
SOLDER	SOLDER(for blank attachment)	2.860	Silver	Ag	7440-22-4	0.060	2.10%	ISHIKAWA	SHAEC1710169005	2017-5-25	9E+05	ND	ND	ND	ND	ND	ND	ND	ND	
			Tin	Sn	7440-31-5	0.130	4.55%													
			Curing agent	---->	Trade Secret	22.562	18.42%													
PLASTIC MOLD	Epoxy compound	122.500	Epoxy Resin	---->	Trade Secret	76.662	62.58%	HUAWEI	CE/2016/C3366	2016-12-26	ND	ND	ND	ND	ND	ND	ND	ND	ND	
			Phenol Resin	---->	Trade Secret	11.622	9.49%													
			Flame Retardent	---->	1332-07-6	6.125	5.00%													
			Pigment	---->	01333-86-4	3.078	2.51%													
			Coupling Agent	---->	2530-83-8	2.451	2.00%													
			Copper	Cu	7440-50-8	29.106	66.00%													XINGYE
Zinc	Zn	7440-66-6	14.994	34.00%																
LEAD FRAME	SURFACE COATING	4.050	Tin	Sn	7440-31-5	3.274	80.84%	SHEZHOU	SHAEC1617608703	2016-8-16	ND	ND	ND	ND	ND	ND	ND	ND	ND	
			Copper	Cu	7440-50-8	0.776	19.16%													
		326.096	TOTAL				326.096													