

Specification For Approval

Date: 2020 / 10 / 21

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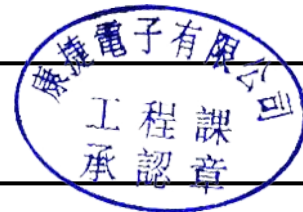
Version: 1.0


Customer : I00066

Customer P/N : /

INVAX P/N : SMASFR8-3170B-A0X00R

Description : Coaxial Cable



Cortec Checked By: 

Customer Approved By:



INVAX System Technology Corp.
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Product Number: SMASFR8-3170B-A0X00R

Product Name: Coaxial Cable



1. Revision History


Revision	Date	Change Notification	Description
1.0	2020.10.21	初版	

Product Number: SMASFR8-3170B-A0X00R

Product Name: Coaxial Cable



2. Specification

Sample Photo	
	
A. Electrical Characteristics	
Frequency	DC~ 6 GHz
Impedance	50 Ohm
V.S.W.R.	≤ 2.0
Insertion Loss	$\leq 2.0\text{dB}$
Voltage (breakdown)	$> 500\text{V}$
Insulation Resistance	$\geq 500\text{ M ohm}$
B. Mechanical Characteristics	
Pull Test of Connector	$\geq 1\text{ Kg}$
Mating Cycles	> 500
C. Environmental	
Operation Temperature	$- 20\text{ }^{\circ}\text{C} \sim + 75\text{ }^{\circ}\text{C}$
Storage Temperature	$- 20\text{ }^{\circ}\text{C} \sim + 80\text{ }^{\circ}\text{C}$

Product Number: SMASFR8-3170B-A0X00R

Product Name: Coaxial Cable

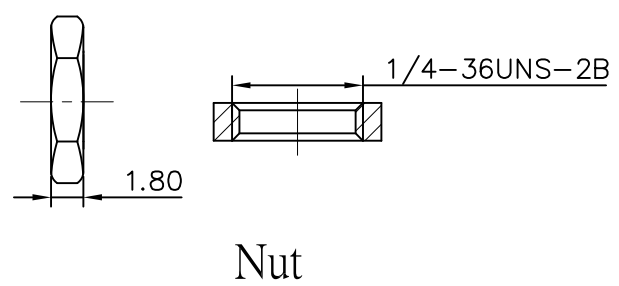
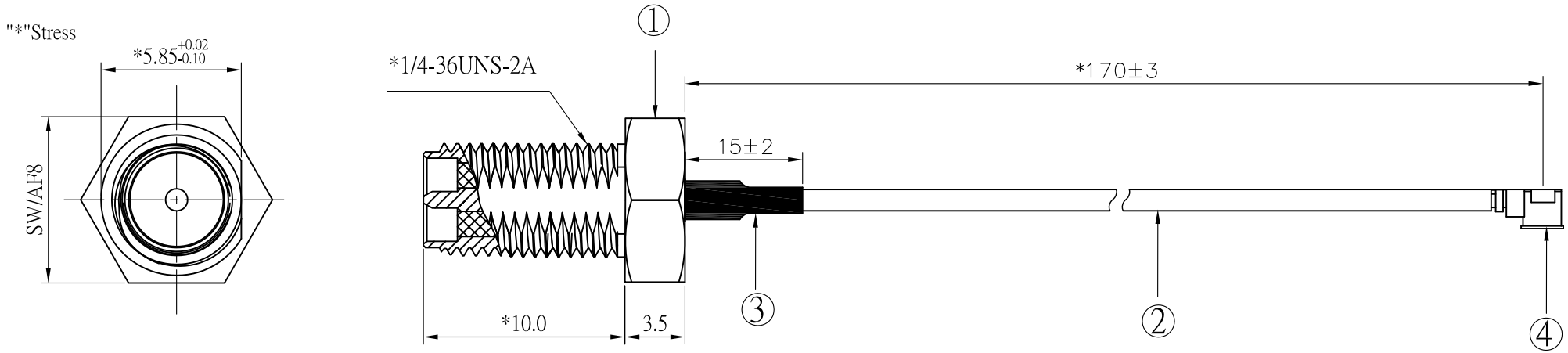


3. Characteristics and Reliability Test

Test Items 測試項目		Test Condition and Procedure 測試方法	Requirements 要求	Result 結果
C1	V.S.W.R. 電壓駐波比	Set DUT on Network Analyzer; make individual calibration to test 設置網路分析儀參數進行測試	Directive DUT specification 符合待測物規範	PASS
C2	Insertion Loss 插入損失	Set DUT on Network Analyzer; make individual calibration to test 設置網路分析儀參數進行測試	Directive DUT specification 符合待測物規範	PASS
M4	Pull Test 拉力	Holding with individual specification; force applied to axis of terminal .單獨定義產品端子拉力	1. Directive DUT specification 2. Frequency Tol.≤5% 符合待測物規範;頻率偏移≤5%	PASS
M6	Dimension 尺寸	Inspection of dimension, color, material, package, surface process.檢查尺寸,顏色,材料,包裝,表面處理	Directive DUT specification 符合待測物規範	PASS
E2	Salt Spray 鹽霧	GB / T 2423.17-2008 Temp: 35°C; RH: ≥ 95%; NaCl solution: ≥ 5%;Time: 24H 溫度 35°C ; 濕度≥95%;鹽水濃度≥5% ; 測試 24H	1. No Visual Damage 2. Frequency Tol.≤5% 無明顯外觀不良;頻率偏移≤5%	PASS
E3	Temperature and Humidity Chamber 恒溫恒濕	GB / T 2423.3-2006 Temp: 80°C / 12 H; -40°C / 12H RH: ≥ 90%; Time: 24H 溫度 80°C 測試 12H 轉-40°C 測試 12H; 濕度≥ 90% ; 時間 24H	After 2 Hours Recovery 1. No Visual Damage 2. Frequency Tol.≤5% 恢復 2H 後 , 無明顯外觀不良;頻率偏移≤5%	PASS
E5	Aging test 老化	GB / T 2423.2 - 2008 Temp: 80°C; Time: 24 hours 溫度 80°C , 測試 24H	After 2 Hours Recovery 1. No Visual Damage 2. Frequency Tol.≤5% 無明顯外觀不良;頻率偏移≤5%	PASS
R1	RoHS	With Reference to IEC 62321:2008 with flow chart 參考 IEC 62321 測試流程	Directive RoHS 2015/863/EU 符合 RoHS 2015/863/EU 標準	PASS

HF
 RoHS
 REACH
 CONFIDENTIAL

SIGN	DATE	DESCRIPTION	APPROVER



4	Connector	Cu Au Plated	Mi ni Coaxial Connector	1
3	Shrink Tub	EVA;Black	Ø2.0*15mm	1
2	Cable	O.D.1.13mm ; Color :Black	L=170mm	1
1	SMA	Cu Au Plated	180° Female Reverse	1
NO	Description	Material	Specification	Q'ty

APP BY		CHK BY	RF BY	DES BY		Tolerance
Grant 2020.09.25		LHC 2020.09.25	Grant 2020.09.25	Lvybao 2020.09.25		UNITS: mm SCALE: 1/1 REVISION: A

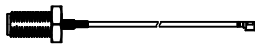
Invax System Group.
Cortec
 Http://www.invaxsystem.com Tel:886-2-27885218
 E-mail:info@invax.com.tw Fax:886-2-27831658

TITLE: SMA Female Reverse/ OD1.13mm / Mini Connector

PART NO.: SMASFR8-3170B-A0X00R CUSTOMER P/N:

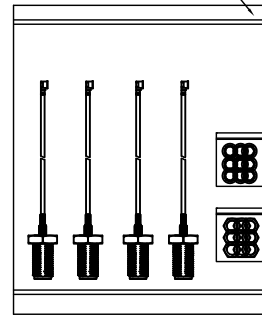
成品料號：SMASFR8-3170B-A0X00R	版本：A
成品名稱：同轴线	客戶：

一



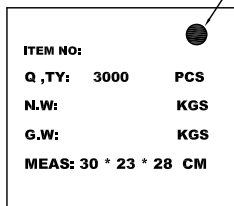
二

規格 150*170mm



三

側麥



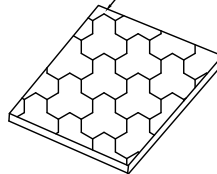
每50PCS產品裝入150*170mm夾鏈袋，
配件每50PCS分裝入50*70mm夾鏈袋。
並裝入產品袋中！

外箱側麥右上角貼一張RoHs標籤，
須填寫產品編號數量，淨重和毛重。
(或以實際重量填寫)

气泡袋

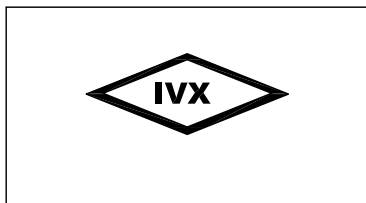
气泡袋規格 100cm*100cm

四



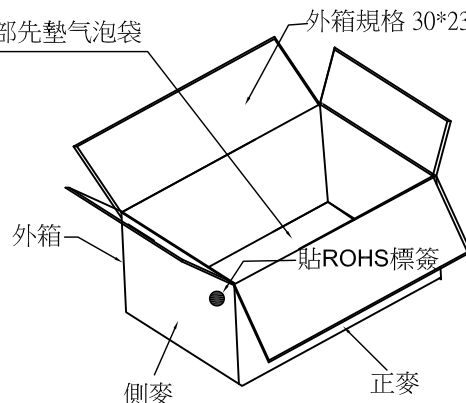
五

正麥



外箱底部先墊气泡袋

外箱規格 30*23*28CM



C/NO：以生管出貨資料粘貼

每箱裝3000PCS產品，包裝要規範整齊。

備註：

- 1.紙箱側麥貼上環保標貼、外箱標貼等,并完成淨毛重等填寫;
- 2.尾數依實際數量更換合適紙箱，必要時裝填充物保護；
- 3.尾數箱側麥貼尾數標貼并用綠色膠帶封箱放在最上層。

SGS 台灣網站 → http://twap.sgs.com/sgsrsts/chn/cheres_tw.asp

SGS 大陸網站 → http://rsts.cn.sgs.com/chn/cheres_cn.asp

SGS 韓國網站 → http://rohs.kr.sgs.com/sgsrsts/en/cheres_en.asp

COR/F-G-47B

請輸入以下報告正確資料及檢查碼以便查核

1. 報告編號
2. 報告日期 (YYYY/MM/DD)
3. 產品名稱 (輸入前 10 個字不含空白)
4. 圖示檢查碼 (依指示畫面)



物料中HSF對象物質含量調查表

康捷電子有限公司	
填表：	李丹
部門：	研發部
職務：	文員

物料名稱：SMASFR8-3170B-A0X00R

序號	物料型號	物料各構成名稱	各構成物料的材料	測試報告裡RoHS2.0對應物質測試結果										檢測報告編號	測試日期	測試名稱	測試機構名稱	
				Cd	Pb	Hg	Cr(VI)	PBBs	PBDEs	DBP	BBP	DIBP	DEHP					
1	SMA	180°母頭公針	銅	7	32372	N.D.	N.D.							SHAEC2007013705	2020.05.09	: Brass Metal	SGS	
			鍍金	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	A2200002810101003	2020.01.11	Cu+Ni+Au plating	CTI	
		Center Pin Washer NUT	銅	7	32372	N.D.	N.D.								SHAEC2007013705	2020.05.09	: Brass Metal	SGS
			鍍金	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	A2200002810101003	2020.01.11	Cu+Ni+Au plating	CTI	
2	Shrink Tub	Shrink Tub	EVA (Black)	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	CANEC1925862106	2020.01.02	HEAT SHRINKABLE	SGS	
3	O.D.1.13mm	Cable	黑色色母	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	CANEC2002124301	2020.03.13	Fluoroplastics FEP	SGS	
			FEP	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	NGBML2000312802	2020.01.22	聚全氟乙丙烯树脂.	SGS	
			鍍錫銅	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	A2200069617101001C	2020.04.01	鍍錫圓銅線	CTI	
			鍍銀銅	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	CANEC2002004901	2020.03.05	SC	SGS	
4	MHF1	CR-113	PBT	N.D.	2.66	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	CE2019C2589	2019.12.23	SHINITE® PBT	SGS	
			銅	N.D.	12	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	CANEC1924844517	2019.12.19	C5210(QS8-0.3)	SGS	
			鍍金層	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	A2190318585101001	2019.11.30	金鍍層	CTI	

根據測試報告如實填寫鉛、鎘、汞、六價鉻、PBBs和PBDEs六項禁用物質的含量

包裝材料中鉛、鎘、汞、六價鉻總含量不超過100ppm，鎘的允許濃度為5ppm

歐盟ROHS指令豁免條款2015/863/EU、鋼中合金元素中的鉛含量達0.35%、鋁含量達0.4%、銅合金中的鉛含量達4%