

DVBT Active Antenna

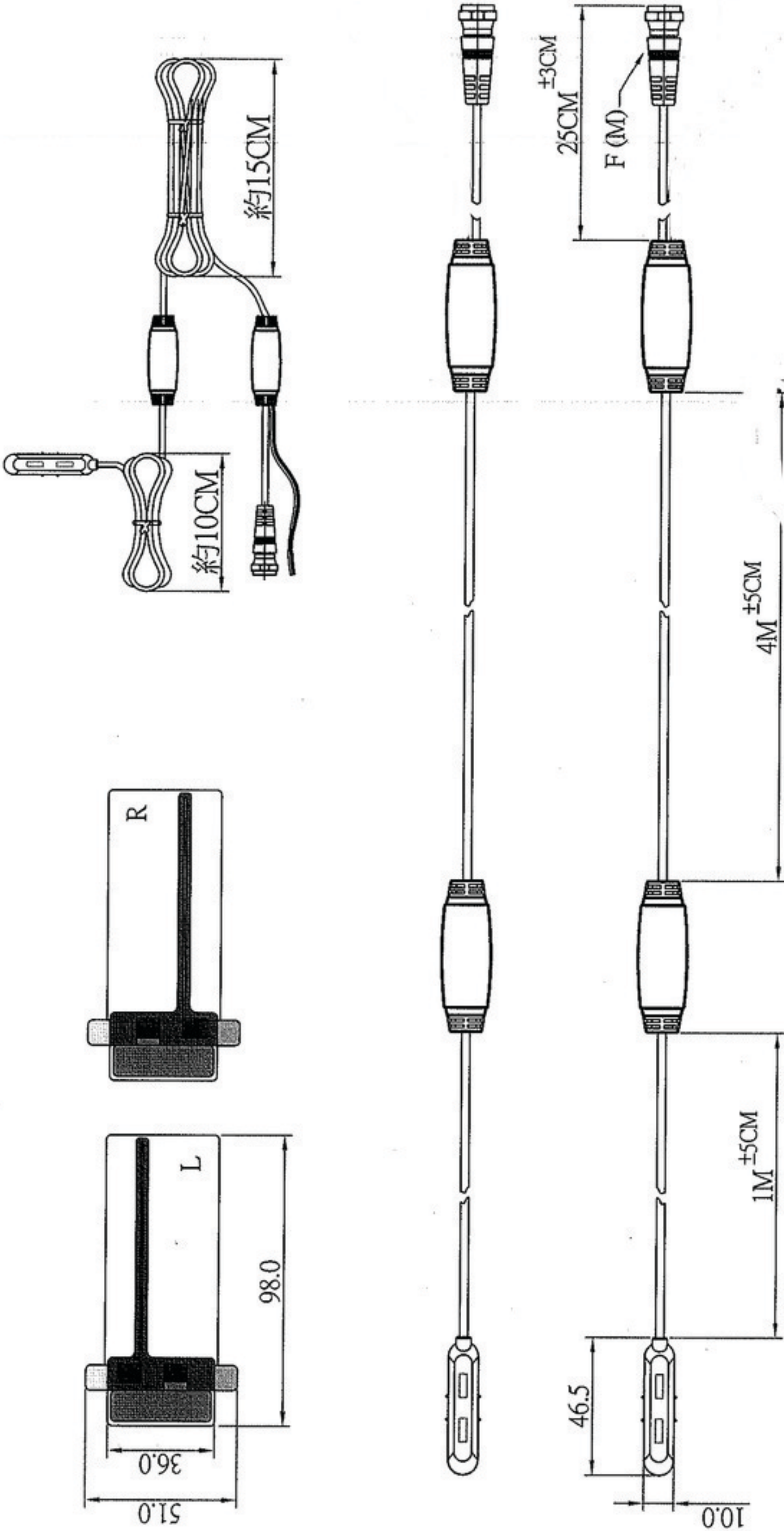
MODEL: DA-200



Specifications:

Frequency range:	VHF+UHF 170~240Mhz with 480~860Mhz & ISDBT
Gain:	16 dBi
V.S.W.R:	2.0:1
Impedence:	75 ohm or 50 ohm
Voltage	5V or 12V
Cable	5M
Connector:	F(M)
Dimension:	36mm x 97mm
Weight:	75g (1set=2pcs 140g) with cable

* This specification is subject to change without prior notice



文件

2009.7.30

非發售
單位
發行草圖

核准 Checked By	JENNY 090728	繪圖 Drawing By	JENNY 090728	單位 Unit	mm	材料 Material	表面處理 Surface Proceeding
比例 Proportion	1:2	楊家驊 2009.7.30					

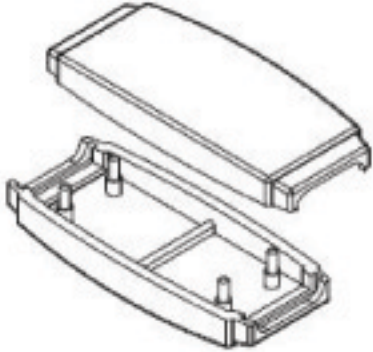


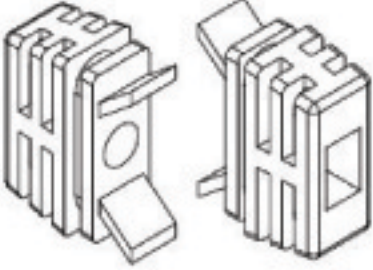
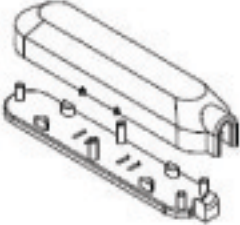
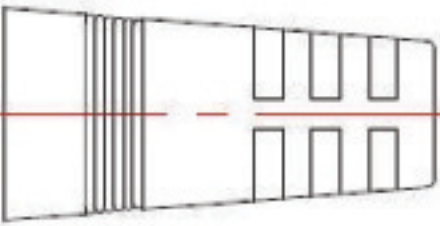
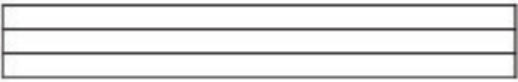
版次 Revision	△	年月日 yy mm dd	變更記事 Notes
1			

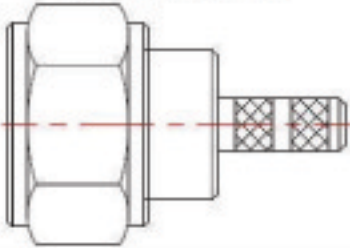

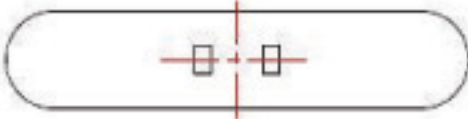
圖名 Drawing Name	成品圖 Finished product Drawing	圖號 Drawing No.

成品規格書 (Specification Sheet)

產品別(Product)	天線(Antenna)	產品編號(Item No.)	
1、一般事項(General Description)			
1.1 適用範圍(Application)	天線 (ANTENNAS)		
1.2 使用溫度範圍 (Operation temperature)	-10~70℃		
1.3 保存溫度範圍 (Storage temperature)	-10~70℃		
1.4 試驗條件 (Testing condition)	溫度 5~35℃、相對濕度 45~85%、氣壓 860~1060 hpa的標準狀態下進行。但是、判定上有疑問時、可在溫度 20±2℃、相對濕度 65±5%、氣壓 860~1060 hpa 的狀態下進行。 a. Standard condition: under temperature range 5~35℃, humidity range 45~85 % RH, atmosphere range 860~1060 hpa; b. With tolerance: under temperature 20 +/- 2℃, humidity 65 +/- 5 % RH, atmosphere range 860 ~ 1060 hpa.		
2、外觀、構造、尺寸(Appearance、Construction、Dimensions)			
2.1 外觀(Appearance)	各部外觀為良好、要避免對機能上有顯著的鏽、破損、油垢、傷痕等。有關外觀請參照限度樣品。 (Appearance: Well-conditioned on each part of assembly; got rid of the obvious rust, breakage, greasiness and scar ... etc.)		
2.2 構造、尺寸 (Construction、dimension)	請參照產品工程圖。 (According to R&D drawing)		
2.3 色調(Colour)	請比照樣品。(Please refer to the related product specification drawing.)		
2.4 重量 (Weight)	88 ±10 g		
3、特性規格(Specifications)			
3-1 頻率(Frequency)	VHF/UHF		
3-2 駐波比(VSWR)	< 1.5:1		
3-3 阻抗(Impedence)	75 OHM		
3-4 低雜訊增益(LNA Gain)	16dB (Max)		
3-5 天線接頭別(Antenna Connectors)	F(M)		
3-6 電線別(Cable)	RG174		
3-7 電壓(Voltage)	12V		
3-8 電源接頭(Power Supply Connector)	-		
3-9 消耗電流(Current Consumption)	20 mA		
4、機械的性能(Physical Condition)			
	項目 (Item)	測試條件 (Test condition)	測試結果 (Test result)
4-1	接頭拉力 (Connector pulling)	將產品放在拉力測試機台上，以標準4kg的拉力測試，測試時間為60秒。 (Put the connector part on pulling test machine and test with the standard of 4kg pulling force by 60 seconds)	完全無異常。 (Passed)
BJTEK Navigation Inc.		規格書制訂日期	2009-07-28

5、耐濕的性能(Environmental Condition) https://www.bjnav.com/			
項目 (Item)	測試條件 (Test condition)	測試結果 (Test result)	
5-1	溫度測試 (Temperature Test) 產品於溫度-10±3℃的實驗室中放置1小時、70±3℃的實驗室中放置1小時，以測試10支產品，測試結束後回復常溫、常濕常濕靜置1小時再做檢驗；溫度轉換須在5分鐘內完成。 當溫度為70℃時候濕度為65±5%RH。 (First step: Put the antenna under -10 ~ 70 +/- 3 C degree around 1 hour;) (Second step: Back to the normal environmental condition around 1 hour;) (Reversing the temperature should be finished within 5 minutes.) (The humidity is 65 +/- 5%RH when temperature is 70 C degree.) (The testing samples: 10 pcs)	檢測外觀：無損害。 Inspect the appearance : no damage. 螺牙測試：無損害。 Screw test: no damage. 頻率測試：頻率正常。 Frequency test: Normal	
5-2	耐濕性 (Humidity Resistance) 溫度40±2℃、相對溼度為70~75%RH中放置96小時之後回復常溫、常濕靜置1小時再做檢驗。 但是在有泡水、產品上有水滴的情況下除外。 (First step: Put the antenna under 40 +/- 2C degree, 70 ~ 75%RH around 96 h (Second step: Back to the normal environmental condition around 1 hour;) (Exception: The antenna is steeped or with the drops on it.)	檢測外觀：無損害。 Inspect the appearance : no damage. 螺牙測試：無損害。 Screw test: no damage. 頻率測試：頻率正常。 Frequency test: Normal	
5-3	低溫測試 (Low Temperature Test) 溫度-10±3℃中放置96小時之後回復常溫、常濕靜置1小時再做檢驗。 (First step: Put the antenna under -10 +/- 3C degree around 96 hours.) (Second step: Back to the normal environmental condition around 1 hour;)	檢測外觀：無損害。 Inspect the appearance : no damage. 螺牙測試：無損害。 Screw test: no damage. 頻率測試：頻率正常。 Frequency test: Normal	
5-4	高溫測試 (High Temperature Test) 溫度70±3℃、相對溼度65±5%RH中放置96小時之後回復常溫、常濕靜置1小時再做檢驗。 (First step: Put the antenna under 70 +/- 3C degree, 65 +/- 5%RH around 96 h (Second step: Back to the normal environmental condition around 1 hour;)	檢測外觀：無損害。 Inspect the appearance : no damage. 螺牙測試：無損害。 Screw test: no damage. 頻率測試：頻率正常。 Frequency test: Normal	
5-5	低溫動作測試 (Low Temperature Operating Test) 溫度-10±3℃中放置24小時之後取出，並在3分鐘內測試頻率。 (First step: Put the antenna under -10 +/- 3C degree around 24 hours then take it away) (Second step: Do the pulling force test within 3 minutes.)	須符合4-1要求的事項。 Must conform to the item 4-1	
5-6	高溫動作測試 (High Temperature Operating Test) 溫度70±3℃中放置24小時之後取出，並在3分鐘內測試頻率。 (First step: Put the antenna under 70 +/- 3C degree around 24 hours then take it away.) (Second step: Do the pulling force test within 3 minutes.)	須符合4-1要求的事項。 Must conform to the item 4-1	
6、材質(Material)			
6-1	材質 (Material) 請參照工程圖面。 (Please refer to the specification drawing.)		

編號 (Item)	RoHS檢測報告結果 (RoHS test result)	外觀圖 (Appearance picture)
7-1	材質符合國際RoHS規範。請參閱RoHS分析報告。 (The materials of the product are all compliant the international RoHS regulation.)	
7-2	材質符合國際RoHS規範。請參閱RoHS分析報告。 (The materials of the product are all compliant to the international RoHS regulation.)	
7-3	材質符合國際RoHS規範。請參閱RoHS分析報告。 (The materials of the product are all compliant the international RoHS regulation.)	
7-4	材質符合國際RoHS規範。請參閱RoHS分析報告。 (The materials of the product are all compliant the international RoHS regulation.)	
7-5	材質符合國際RoHS規範。請參閱RoHS分析報告。 (The materials of the product are all compliant the international RoHS regulation.)	
7-6	材質符合國際RoHS規範。請參閱RoHS分析報告。 (The materials of the product are all compliant the international RoHS regulation.)	
7-7	材質符合國際RoHS規範。請參閱RoHS分析報告。 (The materials of the product are all compliant the international RoHS regulation.)	

7-8		材質符合國際RoHS規範。請參閱RoHS分析報告。 (The materials of the product are all compliant the international RoHS regulation.)	
7-9		材質符合國際RoHS規範。請參閱RoHS分析報告。 (The materials of the product are all compliant the international RoHS regulation.)	
7-10		材質符合國際RoHS規範。請參閱RoHS分析報告。 (The materials of the product are all compliant the international RoHS regulation.)	

8、包裝形式(Package)

8-1	包裝形式 (Package way)	每1個物件放入1紙PE袋,再加說明書 (Each in a pebag with an instruction sheet.)
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9、網路分析儀測試圖(Test by Network Analyzer (HP 8753C))

