

MODEL	HA-850W-SSMA	ANTENNA SPECIFICATION	Reg. No	S299060801
CODE	11T-17-003		Revision	0
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1. Application

This specification describes $\lambda/4$ WHIP ANTENNA used for frequency range of 800MHz for transceiving DATA of wireless devices.

2. Conditions of using Antenna

Handheld fixed mobile outdoor indoor Others

3. Shape of Antenna

Refer to attached drawing no. 11T-17-003

4. Electrical features and performance

Item	Features/Performance	Remark
Frequency range	806~870 MHz	
Nominal impedance	50 Ω	
V.S.W.R	Below 1 : 2.0	
Radiation	Omni-direction	
Polarization	Vertical	
Gain	Unity	

5. Structural Specification and Features

Item	Specification/Features	Remark
Radiator	\varnothing 1.5 Speedo wire	
Sleeve	PO	Black
Connector	SMA-Plug	Ni-plating
Total length	88 \pm 2mm	

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6. Other features and performance

6.1 Temperature

Antenna shall not be deformed or damaged and shall satisfy "Clause 4" in this specification after placing Antenna at -30 and 70 for 96 hours.

6.2 Humidity

After placing Antenna at surrounding temp. 40 with relative humidity of 90 95 for 96 hours, Antenna shall not be deformed or damaged, and shall satisfy "Clause 4" in this specification.

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Product Name: Whip Antenna of 800 MHz Range

Model : HA-850W-SSMA

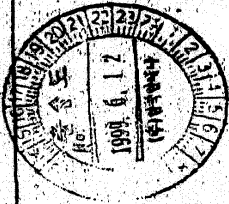
(CODE : 11T-17-003)

Communication Network Interface

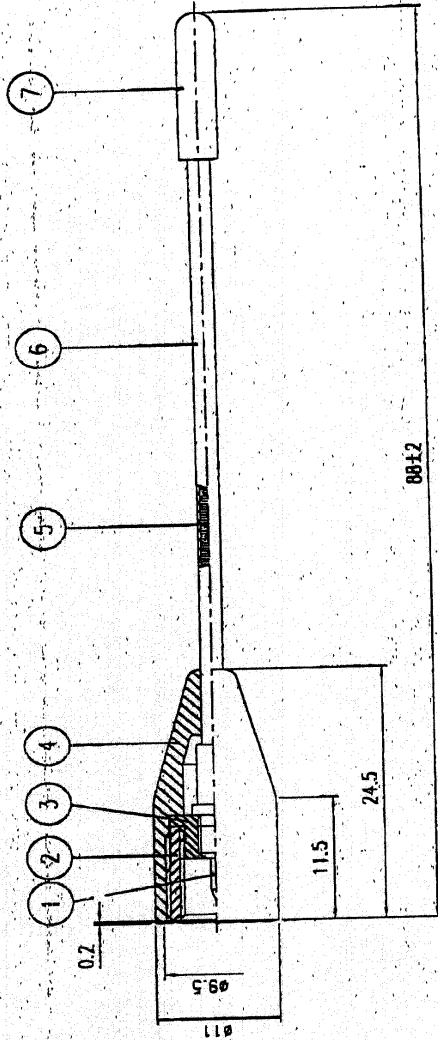
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REV. NO.	DESCRIPTION	DATE
1		
2		
3		
4		



7	GAP	PVC	BLACK COLOR	170-02-01-004
6	SLEEVE	SHRINKABLE TUBE	BLACK COLOR	300-02-01-002
5	ELEMENT	SPEEDO-WIRE		120-02-00-002
4	BASE COVER	ABS	BLACK COLOR	260-01-01-015
3	INSULATOR	ACETAL	WHITE COLOR	102-05-01-001
2	SMA PLUG BODY	Bs	NI-PLATING	100-14-01-006
1	SMA PLUG PIN	Bs	Au-PLATING	101-10-01-002
NO.	PARTS NAME	MATERIAL	FINISH	CODE NO.

NO.	REV. NO.	DATE	FILE NAME	SCALE	UNIT	TITLE
01	0	1999. 6. 9	550WSSMA	2 / 1	.mm	HA-850W-SSMA
02	0	1999. 6. 9	550WSSMA	2 / 1	.mm	ORDER CO. CMT

Hyundai Electronics America Co., Ltd.