

# INTRODUCTION

## Multiband Internal Antenna CP001Q-80mm-U.FL(I-PEX)

### 1. GENERAL DESCRIPTION

Model No	Product P/N
CP001Q-80mm-U.FL(I-PEX)	EA-90I

Below is a table summarizing the antenna design specification.

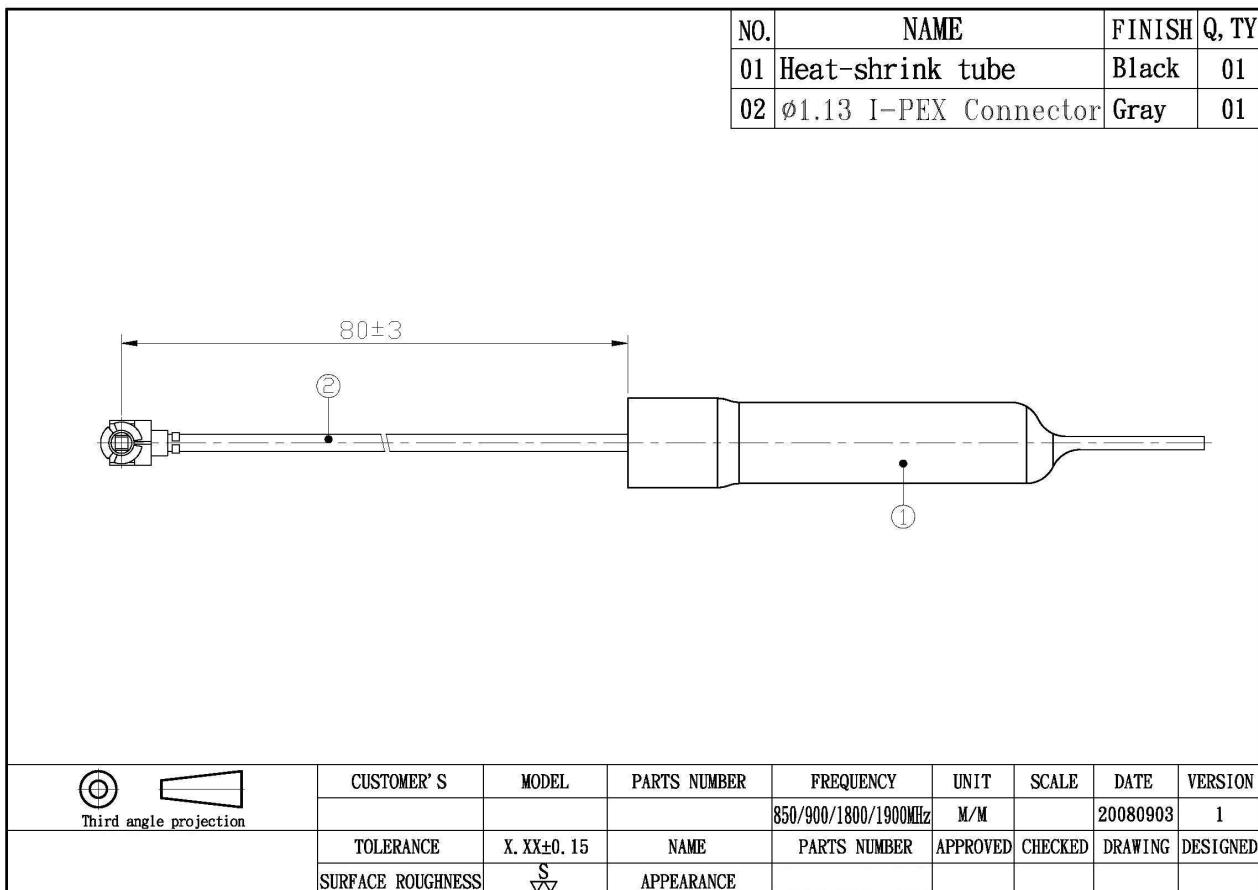
#### 1.1 Electrical Properties

Parameter	Description
Frequency Band	850/900/1800/1900 MHz
Nominal Impedance	50 ohm
Polarization	Vertical
Electrical Wave	2/1 $\lambda$ Dipole
Return Loss	Please See Data-1
V.S.W.R	2.0 : 1
Antenna Average Gain	1~2 dBi
Note: Gain includes the cable loss	

#### 1.2 Mechanical Properties

Parameter	Description
Antenna Type	Internal Antenna
Antenna Material	
Touch Type	U.FL(I-PEX) connector
Connector Type	Ø1.13 U.FL(I-PEX) Connector
Antenna Dimensions	80±3
Antenna Color	Black
Operating Temperature Range	-30°C~+70°C
Storage Temperature Range	-40°C~+80°C

## 2. Appearance



## 3. Frequency

S11 FORWARD REFLECTION  
CHN1

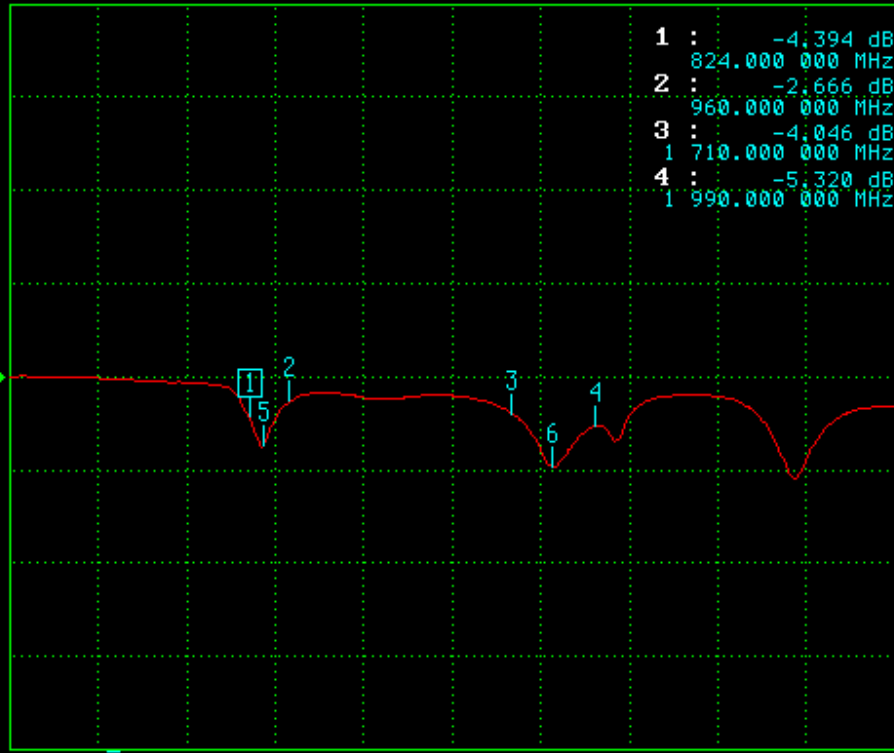
TRANSMISSION/REFLECTION

CH 1 - S11  
REFERENCE PLANE  
0.0000 mm

LOG MAGNITUDE

REF=0.000 dB

10.000 dB/DIV



10.000 000 MHz

3 000.000 000 MHz

5: 868.904000 MHz  
-7.445 dB

6: 1.846778000 GHz  
-9.705 dB

7: OFF

8: OFF

MARKER TO PEAK

▶ MORE

