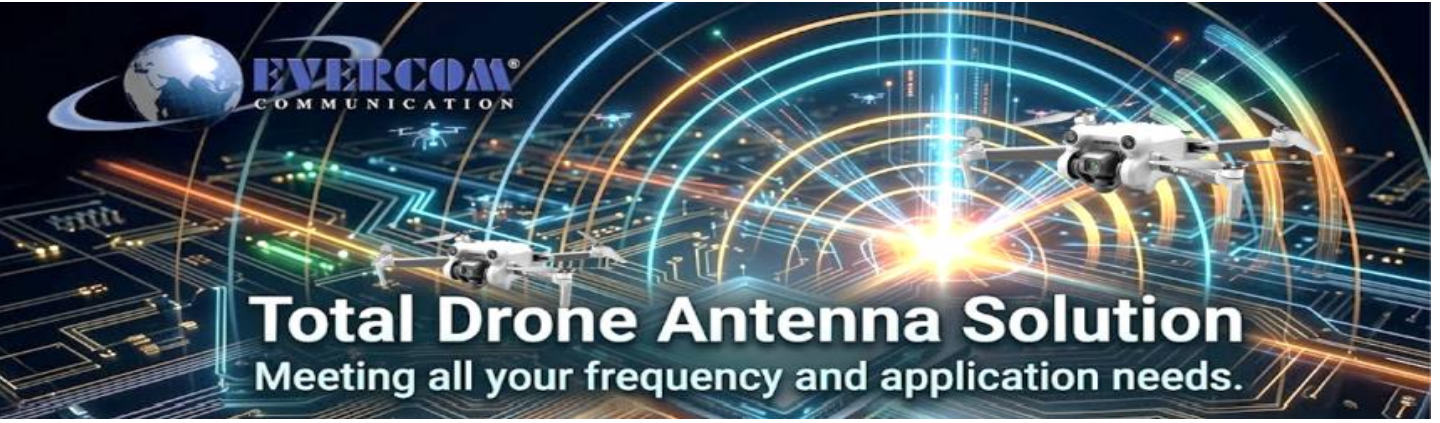


Drones Sub 6G

UWB-DRO-72SM120



Electrical Characteristics

Parameter	Specification
Frequency	3100 ~ 3900 MHz
V.S.W.R.	<= 2.5
Peak Gain	4.0dBi
Radiation Pattern	Omni-Directional
Polarization	Linear
Impedance	50 Ohm

Material & Mechanical Characteristics

Parameter	Specification
Material of Radiator	Copper/ ABS
Cable Type	RG402 120mm
Connector Type	SMA (Optional)
Dimensions	Φ28.2 *20.5mm
Weight	12g

Environmental

Parameter	Specification
Operation Temperature	- 40 °C ~ + 75 °C
Storage Temperature	- 40 °C ~ + 80 °C

EVERCOM COMMUNICATION TECHNOLOGY CO., LTD.
No.108 Jiesin St. Taoyuan District Taoyuan City 33063, Taiwan R.O.C.
Tel：+886-3-376-5678 Fax：+886-3-376-5319 E-Mail：service@evercomtech.com

CE FC RoHS COMPLIANT DNV ISO 9001



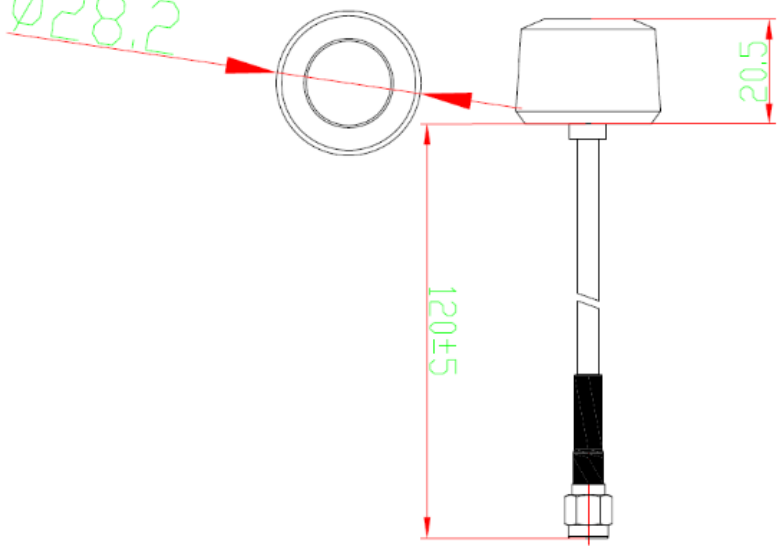
Key Technical Specifications & Features

- **Frequency Support:**
- **Operating Band:** Covers 3100–3900 MHz (3 GHz band), offering broad compatibility with drone video transmission and control systems.
- **Optimized Signal Gain:** Features a 4.0dBi gain to deliver stable, omnidirectional signal coverage.
- **Summary of Application Advantages:**
- This antenna provides a dedicated drone communication solution engineered for reliable RF performance. With strong impedance matching, a lightweight form factor, and flexible installation options, it is well-suited for drone ground stations, remote control receivers, and high-definition video transmission systems.

Applications :

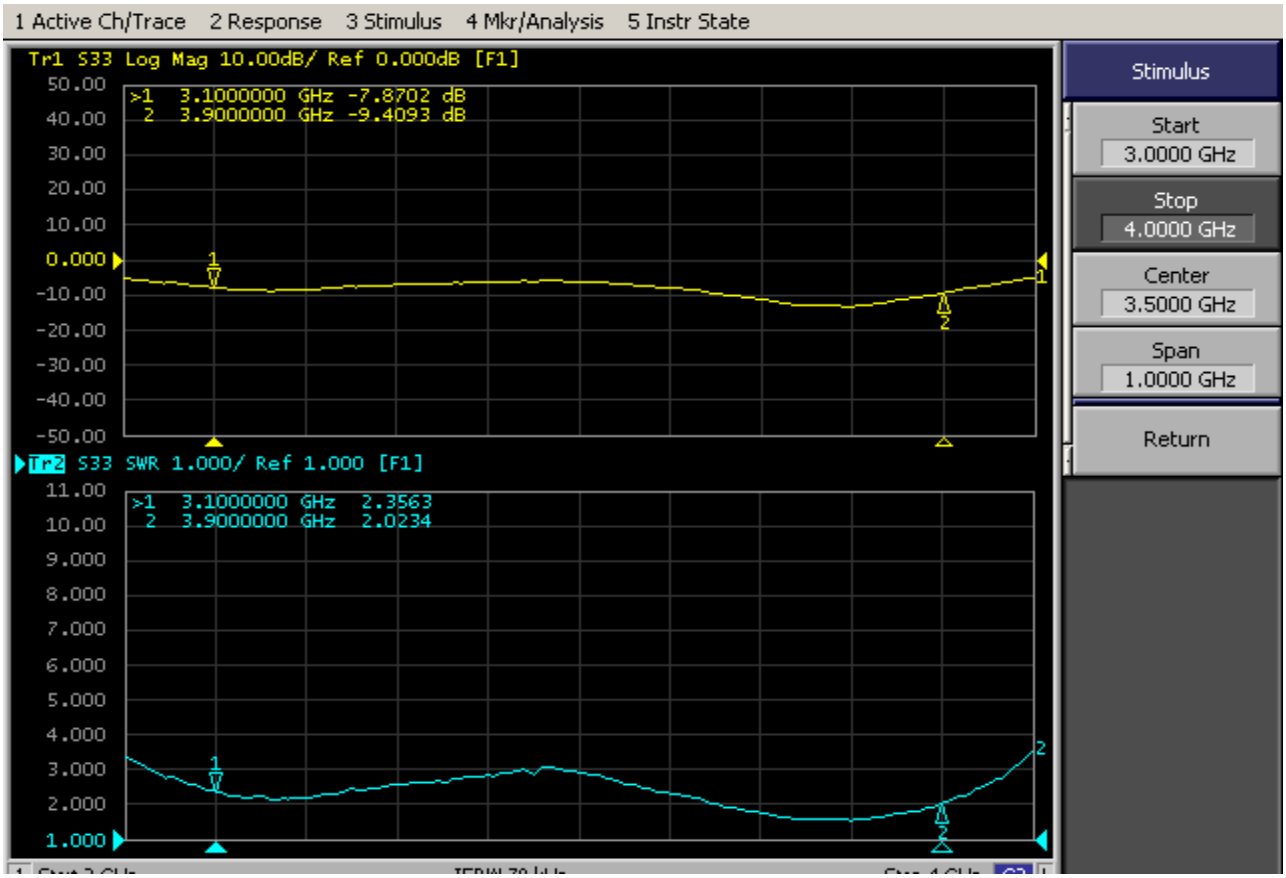
Automotive, recreational, UAV, handheld system.

RoHS Compatible



NO	PART NAME	DESCRIPTION	Q. TY
3	SMA接頭	CU	1
2	线材	RG402黑色线	1
1	天线外壳	ABS	1

TITLE: PART NO.: Antenna
PART NO.: DWG NAME:
APPROVED BY | CHECKED BY | DESIGNED BY: TH 2026.10.08 | UNITS: mm | SCALE: 1/1 | REVISION: A
Tolerance: X.X ±0.2, X.XX ±0.1, X° ±1°

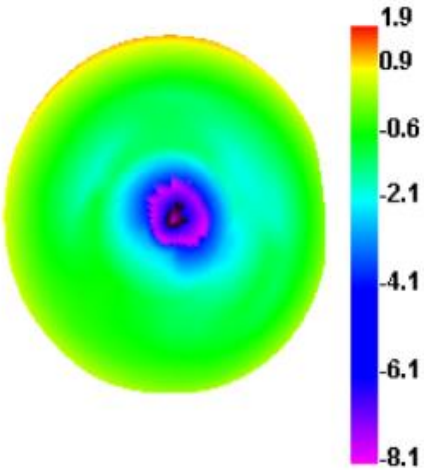




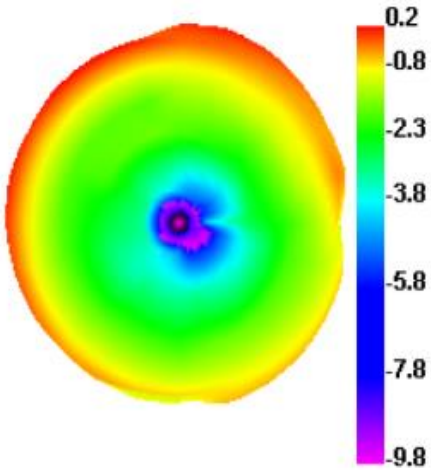
Antenna Gain Test

Antenna Radiation Pattern

3000.000MHz



4000.000MHz



Gain and Efficiency Test Data

Freq	(MHz)	3000	3200	3400	3600	3800	3920	3960	4000
Effi	(%)	56.02	76.26	67.98	71.74	49.49	52.07	56.63	55.12
Effi	(dB)	-2.52	-1.18	-1.68	-1.44	-3.05	-2.83	-2.47	-2.59
Gain	(dBi)	1.87	2.17	0.5	3.97	0.58	1.15	0.88	0.2



Packaging

Sealing

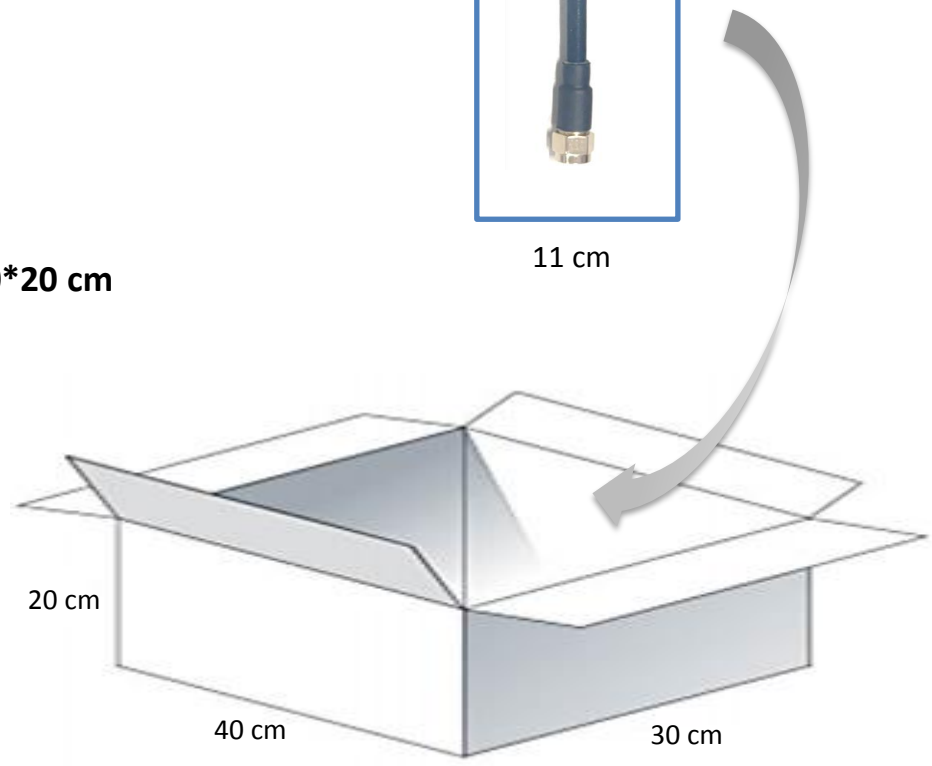


18 cm

11 cm

***1 pc Antenna**
PE bag / each

250 pcs per carton
Carton Dimensions: 40*30*20 cm



CE FC RoHS COMPLIANT DNV **ISO 9001**