MAKE IN INDIA

SYNERGY TELECOM PVT LTD

CATALOG PRODUCT

MILITARY ANTENNA

Jammer Antenna, Vehicle Mounted,
Handheld & Manpack Antenna

HORN ANTENNA

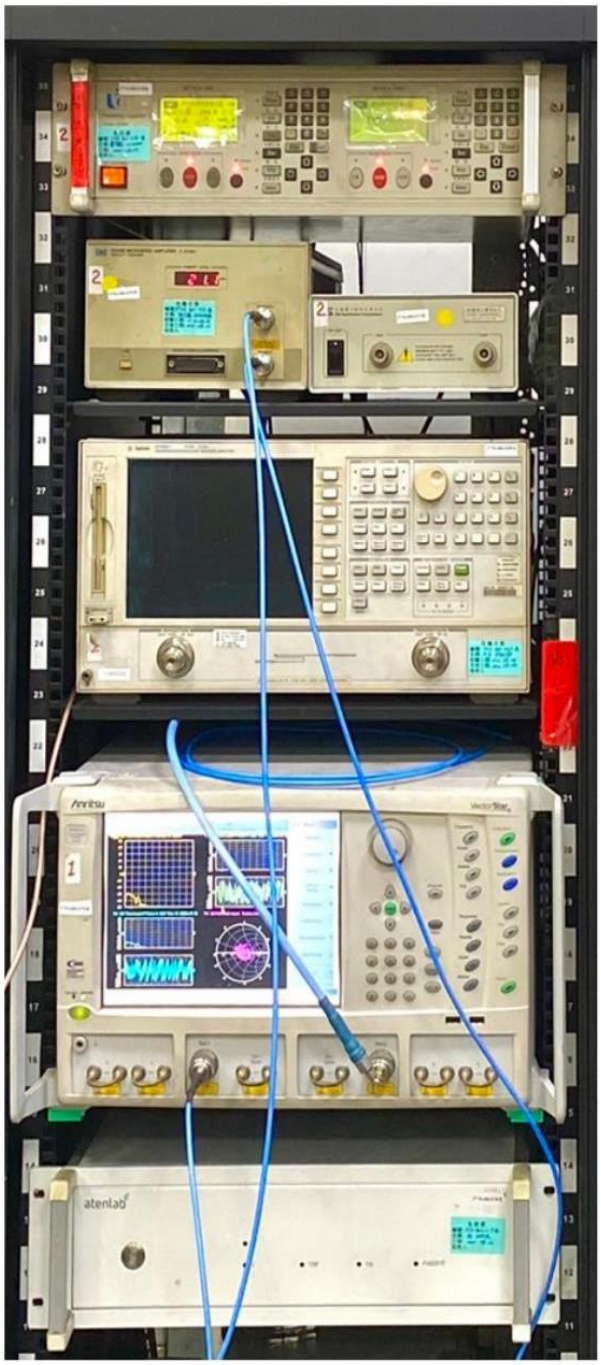
EMC, EMI Antenna

OUTDOOR ANTENNA

LoRa 868MHz, 915 MHz & 923 MHz
RF Connector, Adapter

info@synergytpl.com

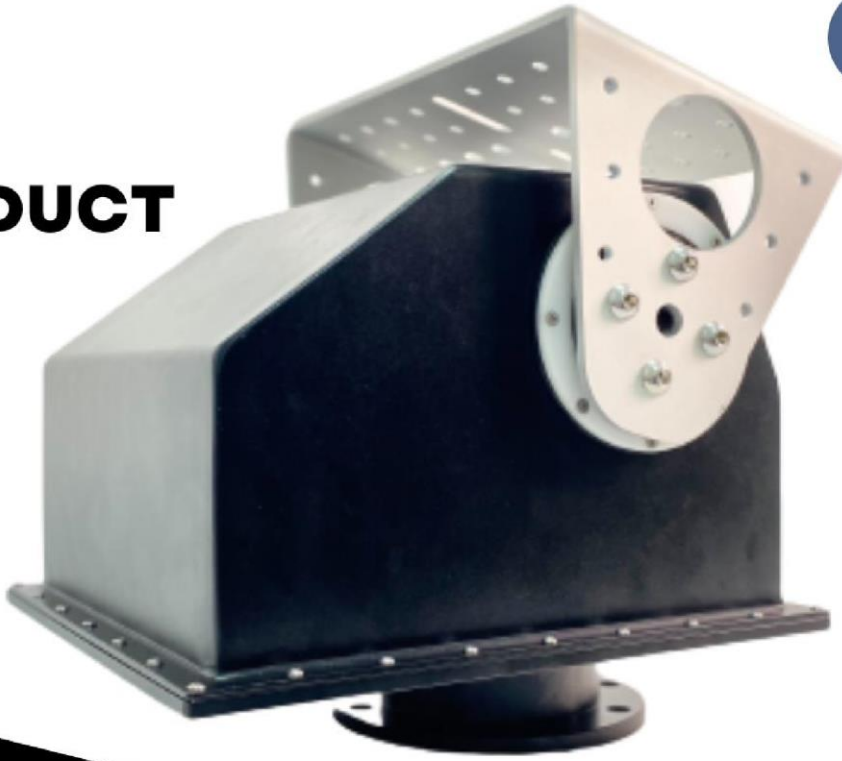
+91 72178 85948



Featured Equipment

MILITARY ANTENNA

FEATURED PRODUCT



CONTACT US
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Featured products

Pan tilt (PTZ)

•Dimension: 120x60x23mm
•Payload: 20kg
•Software control and combination with Smart sensors & AI service

We focused on producing a proper application for this product, which allows you to load a range of antennas, such as a dish or a horn, in sizes ranging from large to small, while controlling the rotational orientation. Pan tilt can be used with a computer, and we also make a repeater, which is a compatible device that can be used with pan tilt. These are two devices that may be used separately, but when combined, they provide the best effect. With a load capacity of up to 20 kg, the pan-tilt is a medium-sized pan-tilt designed for optimal load balance. By balancing the load with a counterweight, this sort of pan tilt can manage huge and heavy loads like enormous antenna dishes... The pan-tilt is composed of aluminum with stainless steel connectors.

Military Vehicle

Antennas for **Military vehicles** or **Vehicular antennas** for heavy-duty use, such as in the forest or in remote locations on armored vehicles, and low-profile antennas for civil vehicles.

Communication and EW applications are examples of applications. Wideband mobile VHF antennas with frequency ranges of 30 to 88 MHz or 30 to 108 MHz are designed primarily for use in heavy-duty mobile applications. Typically, the antenna is made up of three major parts: the antenna base, the lower part, and the upper part. Some antennas have two sections, while others have three. The long-lasting antenna base with GPS (optional).

The stainless-steel spring absorbs shocks and vibrations while also protecting the antenna from collisions.

30-88MHz Military BNC-Female Vehicle Antenna BNC-Female Type: B Model: ST-3088M02B-BF

Electrical specification

Frequency Range	30MHz to 88MHz
V.S.W.R (AVG)	3.5:1
Antenna Type	Collinear
Radiation	Omni Directional
Gain (Avg)	-2dbi to 2dbi
Polarization	Vertical
Power	100 Watts
Vertical Beamwidth	89deg
Horizontal Beamwidth	360deg
Impedance	50Ohm
Antenna Design	Dipole
Internal Material	Copper
Connector	BNC-Female

Mechanical Specification

Antenna length		3326.5mm±5%
Antenna Section length	Upper	1457.5mm
	Lower	1798.5mm
Antenna base		227x140x140mm
Antenna weight (N.W)		4.2kg
Application		Outdoor
Radome Material		Paint Green Fiberglass+UV
Base Material		Copper, nickel-plated, Green painted
Wind Survival		Greater then 150MPH
Storage Temperature		-50 to +60
Operating Temperature		-50 to +75
Operating Humidity		10%~90% non-condensing
Storage Humidity		5%~90% non-condensing
Safety, Emission and other		RoHS

Antenna mounted

30-88 MHz Whip Dipole Broadband with GPS Antenna
Model: ST-3088M02E-BF

Electrical specification

Frequency	30 - 88 MHZ
V.S.W.R (MAX)	3.5:1
Radiation	Omni directional
Gain	-2 dbi to 2 dbi
Polorization	vertical
Power	100 CW
Vertical beamdwidth	89 Degree
Horizontal beamwidth	360 degree
Impedance	50 Ohm
Connector	BNC - Female

Mechanical Specification

Antenna dimension		3229±50x125x125mm
Antenna section length	upper	1023±30mm
	middle	1124.5±30mm
	lower	1124.5±30mm
Antenna weight (N.W)		4 kg
Radome Material		Paint Green Fiberglass +UV
Base Material		Copper, Nickel-plated, Green painted
Wind Survival		>150MPH
Storage Temperature		-50 to +60
Operating Temperature		-50 to +75
Operating Humidity		10%~90% non-condensing
Storage Humidity		5%~90% non-condensing
Safety, Emission and other		RoHS

Military vehicle

4.8M HF Antenna and 7.5mm Spring Short Antenna Base
Model: ST-0130M02A-48-BS75 (FT-4)

Electrical specification

Frequency	1.5 MHz – 30 MHz
V.S.W.R (MAX)	3.5 :1
Radiation	Omni Directional
Gain	-2 dbi to 2 dbi
Polarization	Vertical
Power	400 – 1000W

Mechanical Specification

Antenna Length		5.1 to 5.2m±5%
Antenna Section length	Upper	1222.5mm
	middle 1	1213.5mm
	middle 2	1246.5mm
	lower	1267.5mm
Antenna weight		4.5kg±5%
Wind velocity		120 km/h
Environmental Test		MIL-STD-810G method 509.5
Temperature range		-40 to 70 °C

Antenna mounted

20 MHz -120 MHz VHF Military Dipole Broadband Antenna
Model: ST-20120G-BF-G28-SF

Electrical specification

Frequency Range	20 MHz to 120 MHz
V.S.W.R (Avg)	≤3.5:1
Antenna Type	Collinear
Gain (AVG)	0.2dBi (Max: 1.8 dBi)
Polarization	Vertical
Maximum Power (CW)	100 Watts
Impedance	50Ohm
Antenna Design	Dipole Antenna
Internal Material	Copper
Connector	SMA-Female

GPS

Frequency Range	1575.42±3 MHz
V.S.W.R	≤2:1
Impedance	50 Ohm
LNA	28DB
Voltage/ Current	3:5 VDC/ 12A

Mechanical Specification

Antenna total length		3570mm
Antenna Section length	Upper	1200mm
	middle	1200mm
	lower	1100mm
Antenna section		2.3kg
Antenna Base Weight		2.1kg
Radome Material		Paint Green Fiber glass +UV
Wind Survival		Greater than 160KM/H
Storage Temperature		-40 to +80
Operating Temperature		-40 to +60
Operating Humidity		10%~90% non-condensing
Storage Humidity		5%~90% non-condensing
Safety, Emission and other		RoHS

Military Marine

Military Marine Antenna is designed to be used with military, private, or commercial applications where reliability is needed most, especially for water environments. This antenna works with all radios within the 1.5 MHz to 30 MHz bands.

Robust and tough, this antenna is housed in a thick fiberglass radome, white color, and is constructed from corrosion-resistant materials for reliability in the harshest environments.

7.5M Self-Supporting HF Transmitting Antenna for Mast Mounting
Model: ST-7500

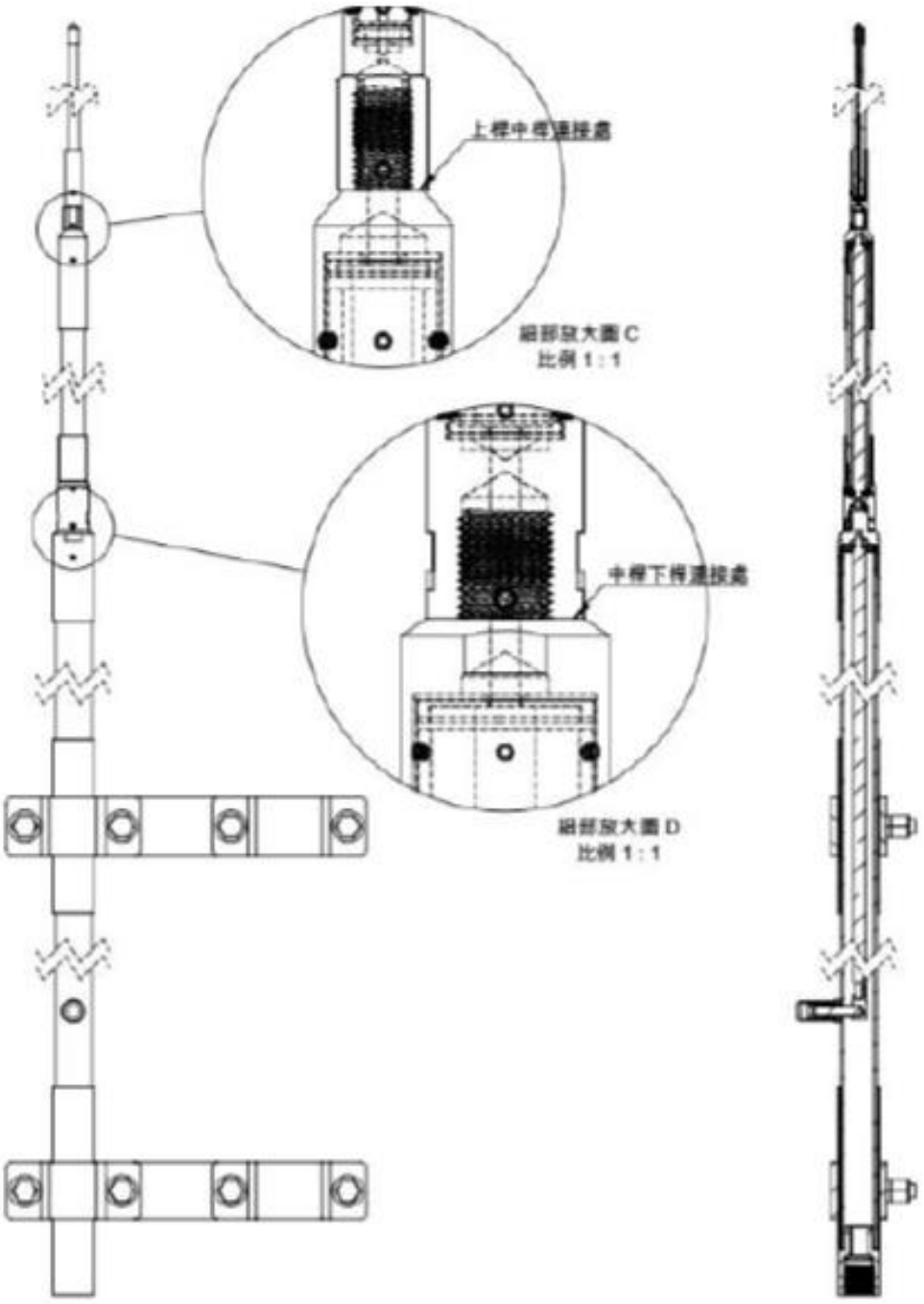
Electrical specification

Frequency Range	1.5 - 30 MHz
Antenna Type	Self-supporting antenna element
Polarization	Vertical
Maximum Power	500W
Connector	M8 screw type

Mechanical Specification

Antenna total length		7500mm±5%
Antenna section length	Upper	2511mm±5%
	Middle	2564mm±5%
	Lower	2535mm±5%
Antenna weight		4.3kg±5%
Clamps Weight		3.14kg (1.57kg x2)±5%
Radome Material		Shroud: Glass fiber Metal parts: Chromed brass
Wind Survival		200km/h
Storage Temperature		-40+80
Operating Temperature		-40 to +60
Operating Humidity		10%~90% non-condensing
Storage Humidity		5%~90% non-condensing
Safety, Emission and other		RoHS

ANTENNA



Jammer Antenna

Jammer Antenna for Vehicles is installed in the appropriate vehicles, which are wideband antennas for high-performance communication and jamming applications working in the frequency range of 200-6800 MHz

These antennas provide a high-powered, ultra-efficient mobile multi-band jamming System that can be installed in any suitable vehicle. The System simultaneously jams the most widely used RF frequency bands, including cellular (CDMA, TDMA, GSM, HGSM, etc.), satellite, and computer network (WLAN, Wi-Fi, Bluetooth).

ST-05M06G03A-NF

- Frequency: 500 - 6000MHz
- Gain: 3dBi
- Max power: 500W
- Dimension: 140xL150mm
- Weight: 1kg

ST-1740G03A-NF • Frequency: 1700 - 4000MHz • Gain: 3dBi • Max power: 200W • Dimension: 140xL209mm • Weight: 1.1kg	**ST-200500M03A-NF** • Frequency: 200 - 500MHz • Gain: 3dBi • Max power: 500W • Dimension: 120xL980mm • Weight: 4kg
ST-433M03-NF • Frequency: 380 - 520MHz • Gain: 3dBi • Max power: 500W • Dimension: 140xL431mm • Weight: 2.7kg	**ST-0608M02T8-BM** • Frequency: 600-800MHz • Gain: 5dBi • Max power: 300W • Dimension: 140xL600 • Weight: 3kg
ST-8697M03-NF • Frequency: 680-1100MHz • Gain: 3dBi • Max power: 500W • Dimension: 140xL311mm • Weight: 2.2kg	**ST-08M1GM02T8-BM** • Frequency: 800-1000MHz • Gain: 2dBi • Max power: 300W • Dimension: 140xL450 • Weight: 2.8kg

For Vehicles

ST-8494M03-NF
- Frequency: **840-960MHz**
- Gain: 3dBi
- Max power: 300W
- Dimension: 140xL450
- Weight: 2.8kg

ST-1112G03-NF
- Frequency: **800-1.4GHz**
- Gain: 3dBi
- Max power: 300W
- Dimension: 140xL291mm
- Weight: 2.1kg

ST-1213G03-NF
- Frequency: **700-1600MHz**
- Gain: 3dBi
- Max power: 300W
- Dimension: 140x281mm
- Weight: 2.1kg

ST-1314G03-NF
- Frequency: **1000-1800MHz**
- Gain: 5dBi
- Max power: 300W
- Dimension: 140xL246mm
- Weight: 2kg

ST-1516G03-NF
- Frequency: **1320-1700MHz**
- Gain: 3dBi
- Max power: 300W
- Dimension: 140xL249mm
- Weight: 1.1kg

ST-1418G05T3-NF
- Frequency: **1400-1800MHz**
- Gain: 3dBi
- Max power: 200W
- Dimension: 140xL610mm
- Weight: 2.5kg

ST-1719G03A1-NF
- Frequency: **1600-2300MHz**
- Gain: 3dBi
- Max power: 200W
- Dimension: 140xL239mm
- Weight: 1.1kg

ST-1922G03A1-NF
- Frequency: **1600-2700MHz**
- Gain: 5dBi
- Max power: 250W
- Dimension: 140xL249mm
- Weight: 1.2kg

ST-2425G03-NF
- Frequency: **1700-3000MHz**
- Gain: 3dBi
- Max power: 200W
- Dimension: 140xL209mm
- Weight: 1.1kg

ST-2527G03-NF
- Frequency: **1700-3000MHz**
- Gain: 3dBi
- Max power: 200W
- Dimension: 140xL189mm
- Weight: 1.1kg

Jammer Antenna

ST-1820G07T3-NF
- Frequency: **1800-2000MHz**
- Gain: 7dBi
- Max power: 200W
- Dimension: 140xL700mm
- Weight: 2.5kg

ST-2022G07T3-NF
- Frequency: **2000-2200MHz**
- Gain: 7dBi
- Max power: 200W
- Dimension: 140xL650mm
- Weight: updating

ST-2630G07T3-NF
- Frequency: **2600-3000MHz**
- Gain: 7dBi
- Max power: 200W
- Dimension: 140xL540mm
- Weight: 2.5kg

ST-2226G07T3-NF
- Frequency: **3600-4000MHz**
- Gain: 7dBi
- Max power: 200W
- Dimension: 140xL445mm
- Weight: 2.5kg

ST-3436G07T3-NF
- Frequency: **3400-3600MHz**
- Gain: 7dBi
- Max power: 250W
- Dimension: 140xL445mm
- Weight: 2.5kg

ST-3640G07T3-NF
- Frequency: **3600-4000MHz**
- Gain: 7dBi
- Max power: 250W
- Dimension: 140xL445mm
- Weight: 2.5kg

1 set of MJ-05M06G03A-NF

For vehicles

ST-1740G03A-NF with
Green painted

ST-1740G03A-NF with
Black painted

ST-200500M03A-NF with
frequency from 200 MHz to
500 MHz

ST-8697M03-NF with
frequency from
680 MHz to 1100 MHz

Jammer Antenna

Jammer Antenna for Vehicles spring design is installed in the appropriate vehicles, which are wideband antennas for high-performance communication and jamming applications with spring design, has the effect of reducing shock when moving, as well as reducing breakage, particularly for antennas with longer lengths.

These antennas provide a high-powered, ultra-efficient mobile multi-band jamming System that can be installed in any suitable vehicle. The System simultaneously jams the most widely used RF frequency bands, including cellular (CDMA, TDMA, GSM, HGSM, etc.), and computer network (WLAN, Wi-Fi, Bluetooth).

ST-0406M02S-NF • Frequency: **400 - 600MHz** • Gain: 2dBi • Max power: 300W • Dimension: 140xL721mm • Weight: 3.6kg	**ST-0608M02S-NF** • Frequency: **600 - 800MHz** • Gain: 2dBi • Max power: 300W • Dimension: 140xL681mm • Weight: 3.3kg
ST-1418G05S-NF • Frequency: **1.4-1.8GHz** • Gain: 5dBi • Max power: 150W • Dimension: 140x752mm • Weight: 3.8kg	**ST-1820G07S-NF** • Frequency: **1.8-2.0GHz** • Gain: 7dBi • Max power: 120W • Dimension: 140xL841mm • Weight: 3.8kg
ST-2022G07S-NF • Frequency: **2.0-2.2GHz** • Gain: 6.5dBi • Max power: 120W • Dimension: 140xL786mm • Weight: 3.7kg	**ST-3436G07S-NF** • Frequency: **3.0-4.0GHz** • Center Freq: 3.4-3.6GHz • Gain: 7dBi • Max power: 100W • Dimension: 140xL587mm • Weight: 3.4kg

With Spring

ST-08M1G02S-NF

- Frequency: **800 - 1000MHz**
- Gain: 2dBi
- Max power: 200W
- Dimension: 140xL571mm
- Weight: 3.3kg

ST-1014G05S-NF

- Frequency: **1-1.4GHz**
- Gain: 5dBi
- Max power: 150W
- Dimension: 140xL681mm
- Weight: 3.6kg

ST-2226G07S-NF

- Frequency: **2.2-2.6GHz**
- Gain: 6.5dBi
- Max power: 120W
- Dimension: 140xL786mm
- Weight: 3.7kg

ST-2630G07S-NF

- Frequency: **2.6-3.0GHz**
- Gain: 6.5dBi
- Max power: 120W
- Dimension: 140xL681mm
- Weight: 3.6kg

ST-3640G07S-NF

- Frequency: **3.3-4.2GHz**
- Gain: 7dBi
- Max power: 100W
- Dimension: 140xL587mm
- Weight: 3.4kg

Jammer Antenna

Our series manpack antenna provides wideband communications from UHF, cellular (CDMA, TDMA, GSM, HGSM, etc.), satellite, and computer networks (WLAN, Wi-Fi, Bluetooth). The dipole design of this series of antennas ensures that they operate efficiently without the use of a ground plane. These rugged and compact manpack antennas keep units within command range and mission ready.

Wideband and narrow band antennas are a critical component of today's demanding RF Systems used in tactical communication, electronic countermeasure, and jamming applications. Jammer antennas offer a wide range of lightweight, rugged manpack and man-portable wide band and narrow band antennas.

ST-0406M02AS-NM

- Frequency: **400 - 600MHz**
- Gain: 2dBi
- Max power: 250W
- Dimension: 26xL566mm
- Weight: 0.6kg

ST-0608M02AS-NM

- Frequency: **600 - 800MHz**
- Gain: 2dBi
- Max power: 150W
- Dimension: 26xL462mm
- Weight: 0.5kg

ST-08M1G02S-NM

- Frequency: **800-1000MHz**
- Gain: 2dBi
- Max power: 150W
- Dimension: 26xL375mm
- Weight: 0.45kg

ST-1214G05AS-NM

- Frequency: **1.2-1.4GHz**
- Gain: 2dBi
- Max power: 120W
- Dimension: 26xL375mm
- Weight: 0.5kg

ST-1416G05AS-NM

- Frequency: **1.4-1.6GHz**
- Gain: 5dBi
- Max power: 120W
- Dimension: 26xL485mm
- Weight: 0.5kg

ST-1618G05AS-NM

- Frequency: **1.6-1.8GHz**
- Gain: 5dBi
- Max power: 120W
- Dimension: 26xL406mm
- Weight: 0.5kg

Handheld Manpack

ST-1820G05AS-NM
- Frequency: **1.8 - 2.0GHz**
- Gain: 5dBi
- Max power: 120W
- Dimension: 26xL325mm
- Weight: 0.5kg

ST-2628G05-NM
- Frequency: **2.6 - 2.8GHz**
- Gain: 5dBi
- Max power: 100W
- Dimension: 26xL326mm
- Weight: 0.41kg

ST-2022G05AS-NM
- Frequency: **2.0 - 2.2GHz**
- Gain: 5dBi
- Max power: 100W
- Dimension: 26xL356mm
- Weight: 0.43kg

ST-2830G05A-NM
- Frequency: **2.8 - 3.0GHz**
- Gain: 5dBi
- Max power: 75W
- Dimension: 26xL301mm
- Weight: 0.4kg

ST-2224G05AS-NM
- Frequency: **2.2 - 2.4GHz**
- Gain: 5dBi
- Max power: 100W
- Dimension: 26xL356mm
- Weight: 0.43kg

ST-2426G05AS-NM
- Frequency: **2.4 - 2.6GHz**
- Gain: 5dBi
- Max power: 100W
- Dimension: 26xL346mm
- Weight: 0.41kg

ST-3032G05A-NM
- Frequency: **3.0- 3.2GHz**
- Gain: 5dBi
- Max power: 70W
- Dimension: 26xL356mm
- Weight: 0.4kg

ST-3234G05A-NM
- Frequency**: 3.2 - 3.4GHz**
- Gain: 5dBi
- Max power: 70W
- Dimension: 26xL286mm
- Weight: 0.4kg

ST-3436G05AS-NM
- Frequency: **3.4 - 3.6GHz**
- Gain: 5dBi
- Max power: 70W
- Dimension: 26xL286mm
- Weight: 0.4kg

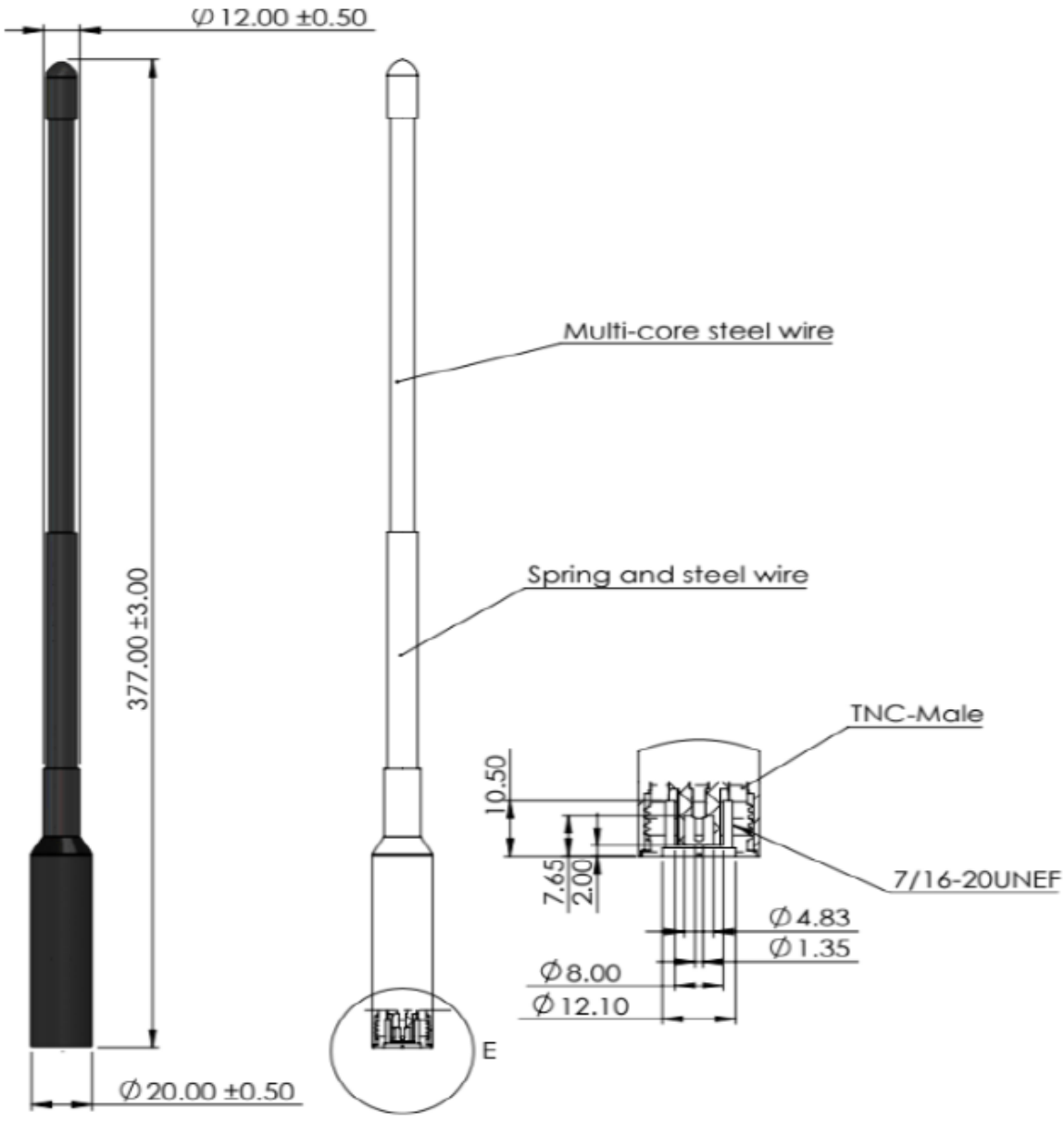
ST-3840G05AS-NM
- Frequency: **3.8 - 4.0GHz**
- Gain: 5dBi
- Max power: 120W
- Dimension: 26xL375mm
- Weight: 0.5kg

Military Antenna

30MHz to 88MHz 38cm Handheld Whip Antenna

ST-3088MB1-TM

- Frequency: 30 - 88MHz
- Length: 377±30mm
- Weight: 0.130kg
- Connector: TNC-Male

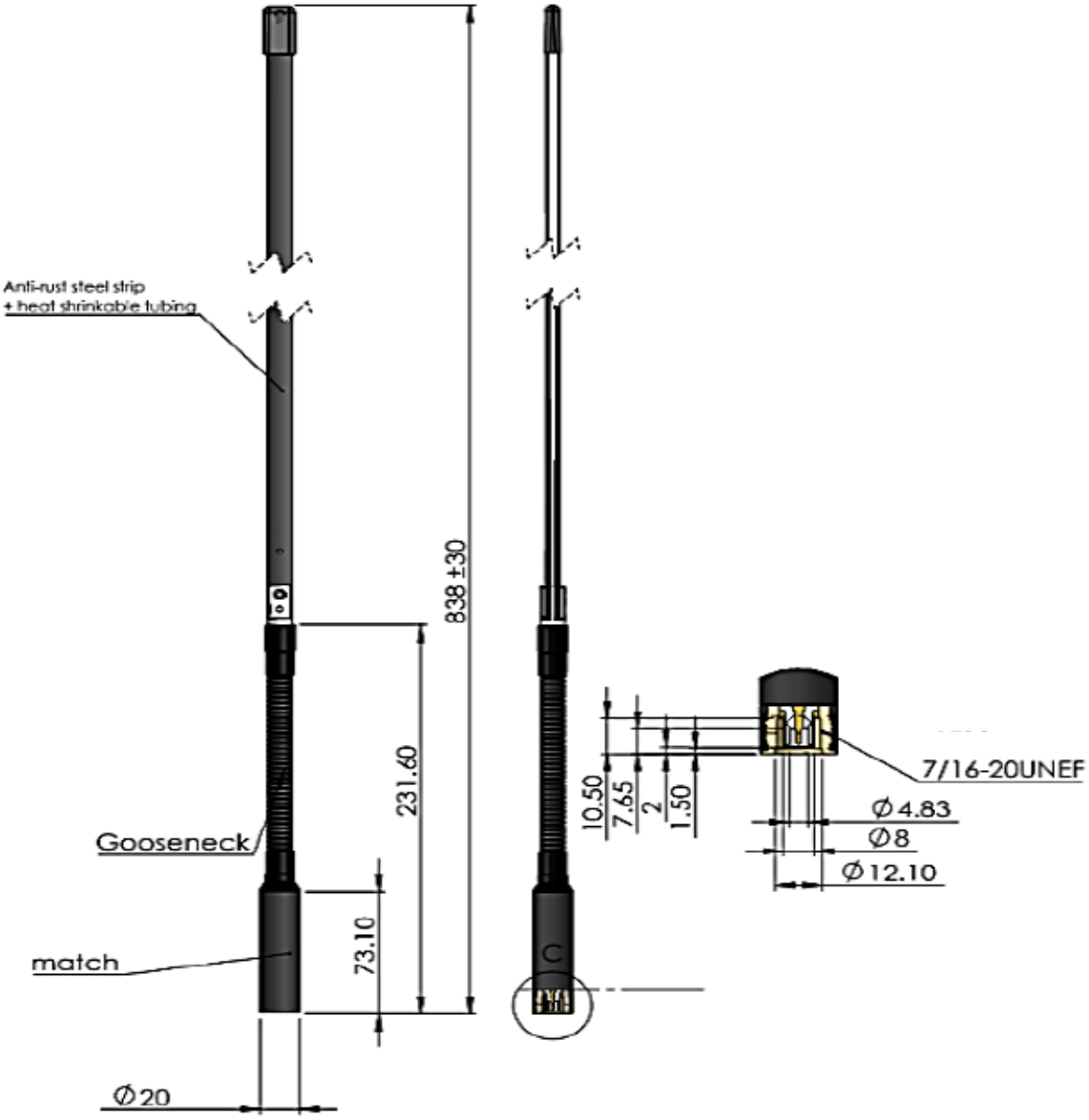


Handheld Manpack

30MHz to 88MHz Whip Antenna (TNC Male)

ST-30120HB-TM

- Frequency: 30 - 120MHz
- Length: 838±30mm
- Weight: 0.130kg
- Connector: TNC-Male

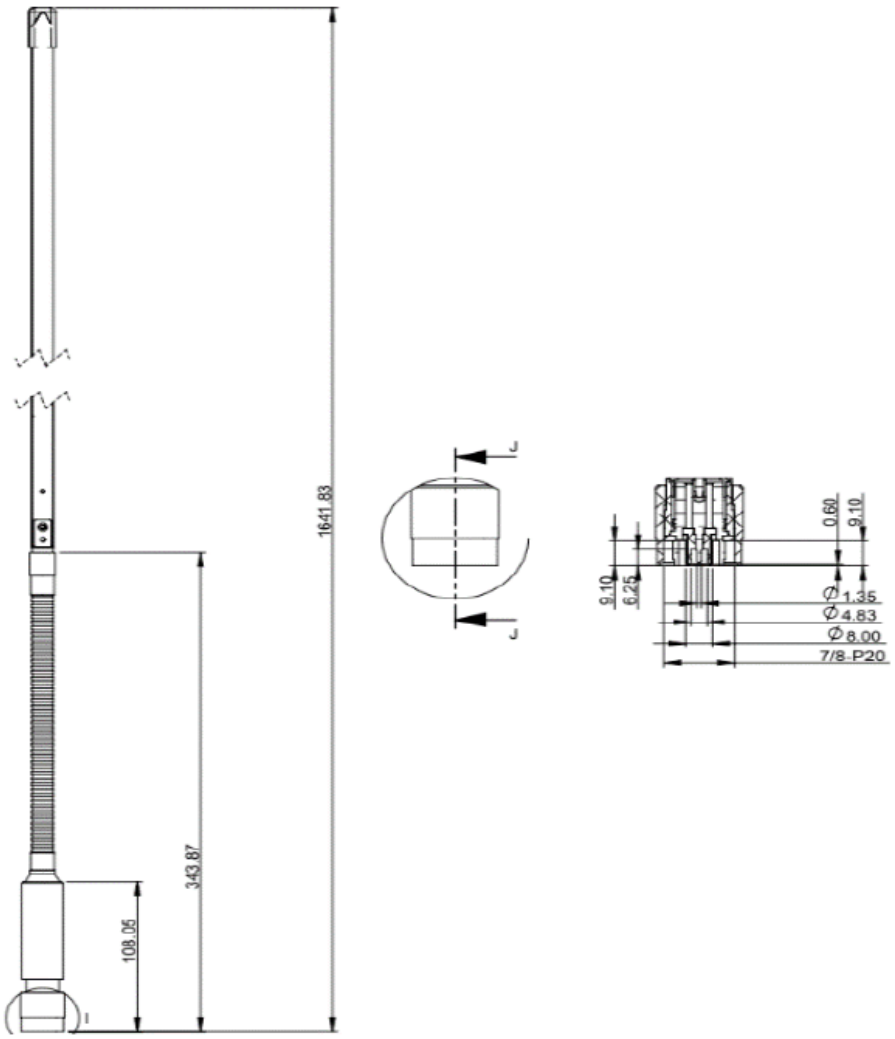


Military Antenna

30MHz to 88MHz Whip Antenna (TNC Male/ BNC Male)

ST-3088MB2-TM

- Frequency: 30 – 120MHz
- VSWR:>3.5
- Length: 1641mm
- Weight: 700g
- Connector: TNC-Male /BNC-Male
- Standard test: MIL-810
- 7/8-20 installation screw

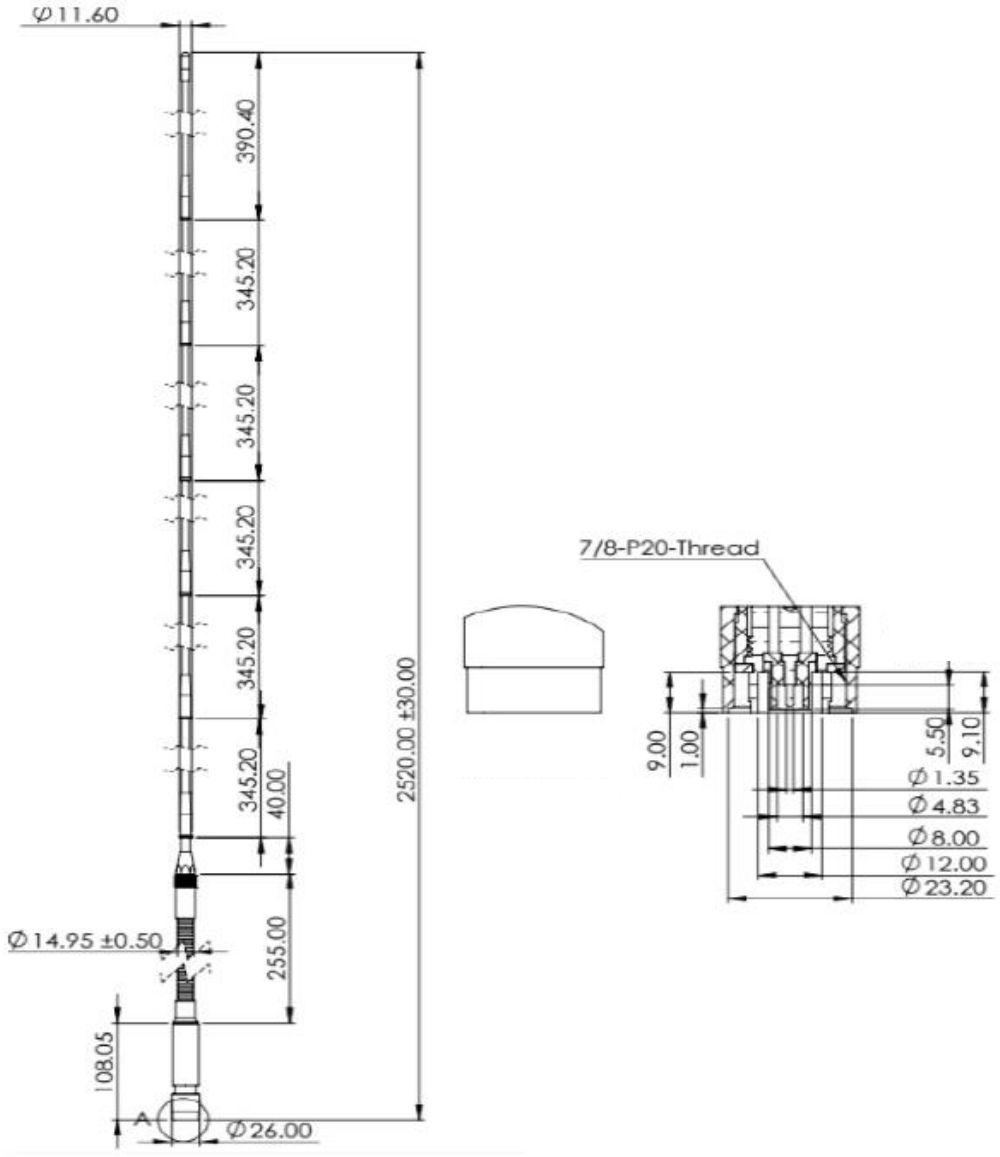


Handheld Manpack

30MHz to 88MHz 2.5m Military Handheld & Manpack Antenna (BNC/ TNC Male)

ST-3088MA3-TM

- Frequency: 30 – 88MHz
- VSWR:>3.5
- Length: 2520±30mm
- Weight: 860g
- Connector: TNC-Male/BNC-Male
- Standard test: MIL-810

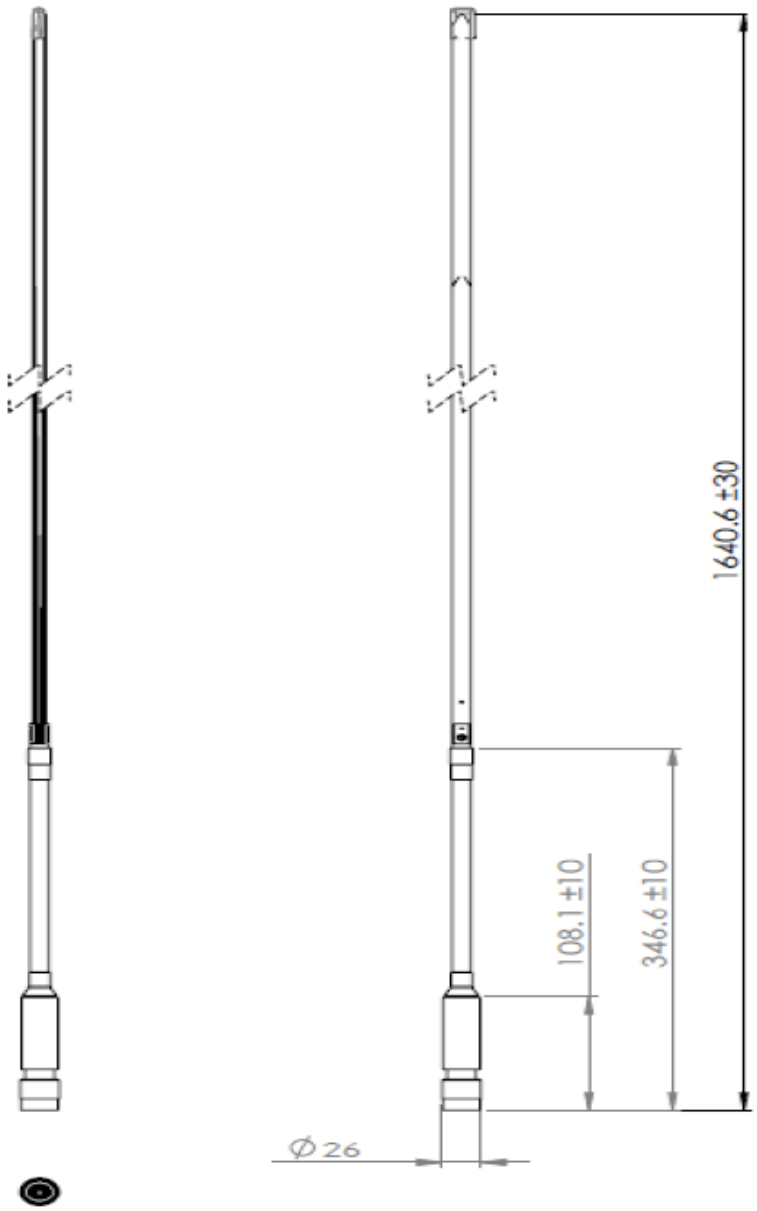


Military Antenna

30MHz to 108MHz 1.6M Pro Military Wideband Whip Antenna, TNC Male Connector

ST-3088MA2-TM

- Frequency: 30 - 108 MHz
- Length: 1640±30mm
- Weight: 0.6kg
- Connector: TNC male

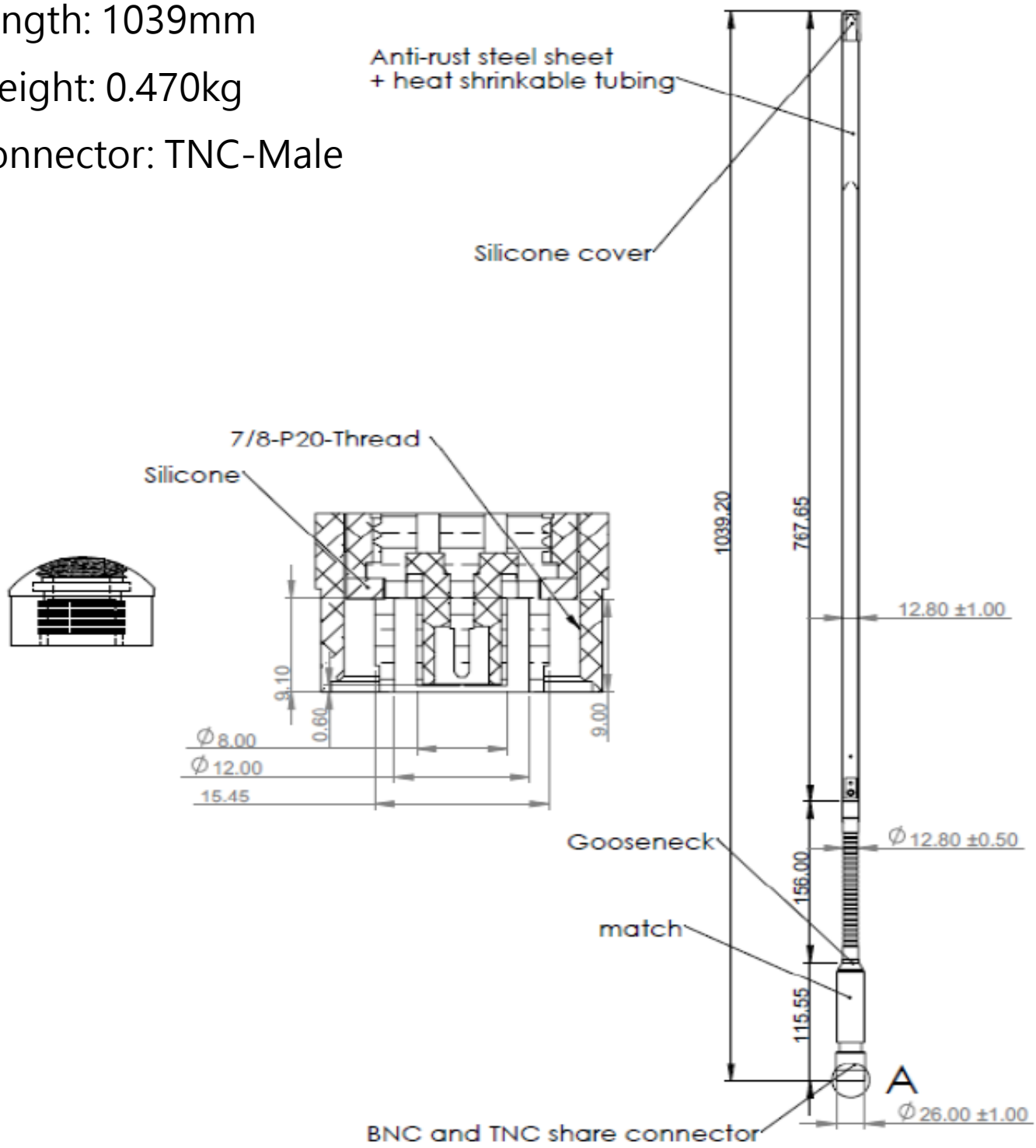


Handheld manpack

30MHz to 120MHz 1M Military Handheld & Manpack Antenna

ST-3088MA5-TM

- Frequency: 30 - 120mhz
- Length: 1039mm
- Weight: 0.470kg
- Connector: TNC-Male

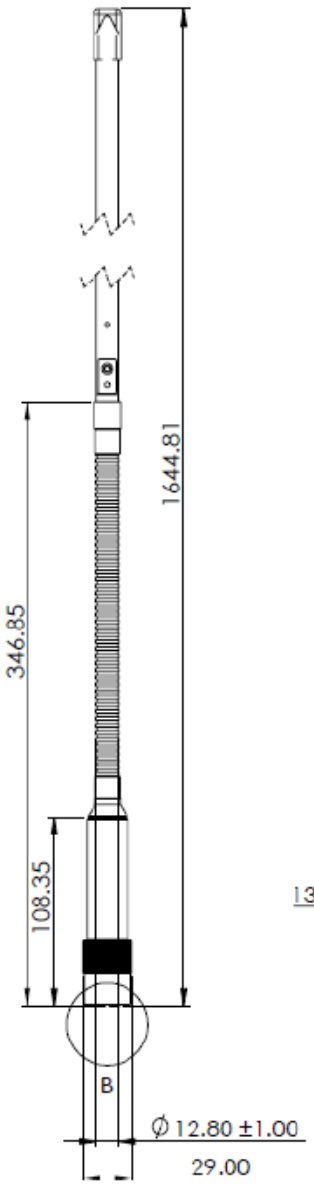


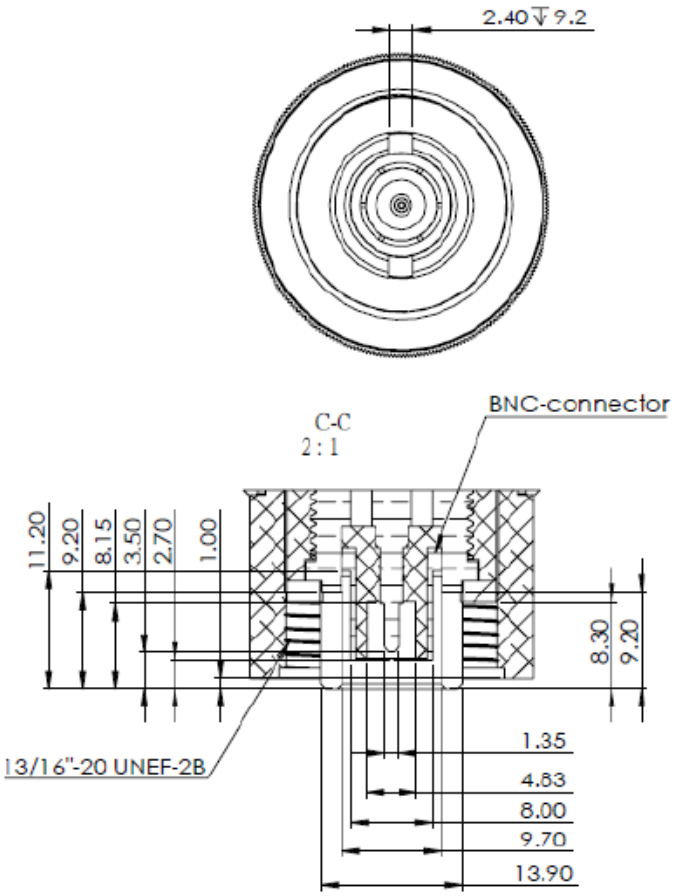
Military Antenna

30MHz to 120MHz 1645cm Whip Antenna (BNC Male)13/16-20 installation screw

ST-30120MA6-BM

- Frequency: 30 – 120Mhz
- VSWR:>3.5
- Length:1644.8mm
- Weight: 0.7kg
- Connector: BNC-Male
- Standard test: MIL-810



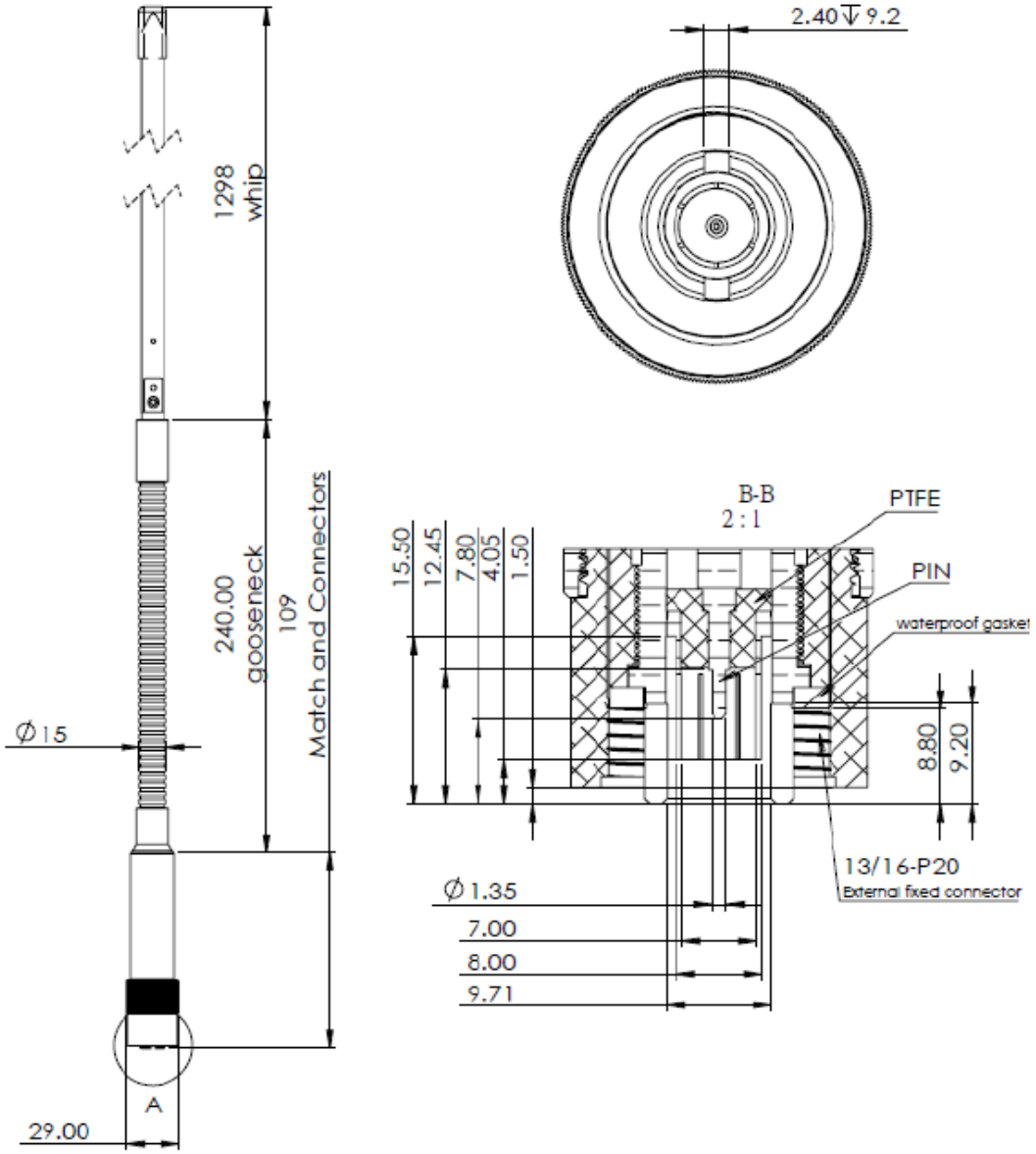


Handheld manpack

30MHz to 120MHz Military Handheld & Manpack (13/16 P20 and BNC Male) type: C6 Whip Antenna

ST-30120MC6-BM

- Frequency: 30 – 120MHz
- Length: 1298mm
- Weight: 0.722kg
- Connector: BNC-Male
- Standard test: MIL-810

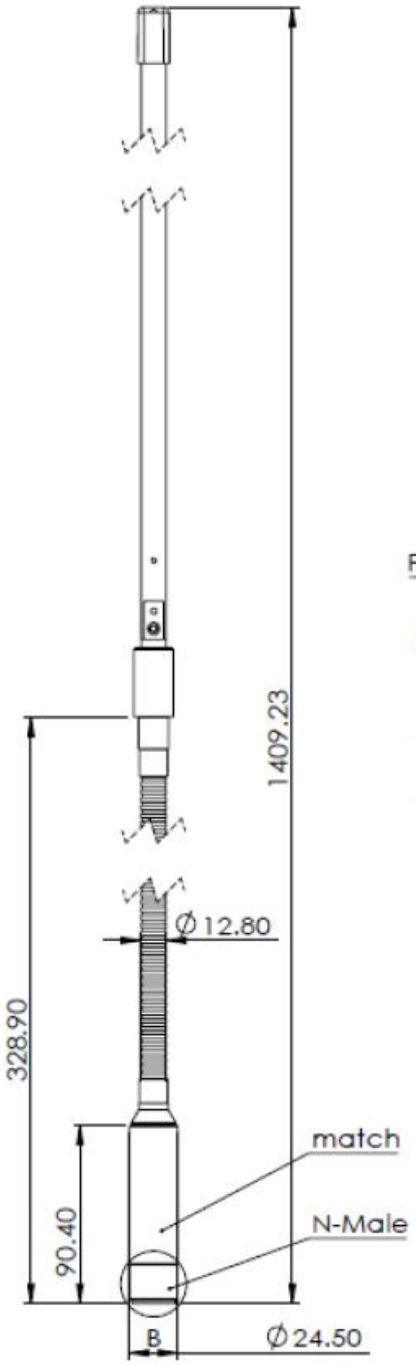


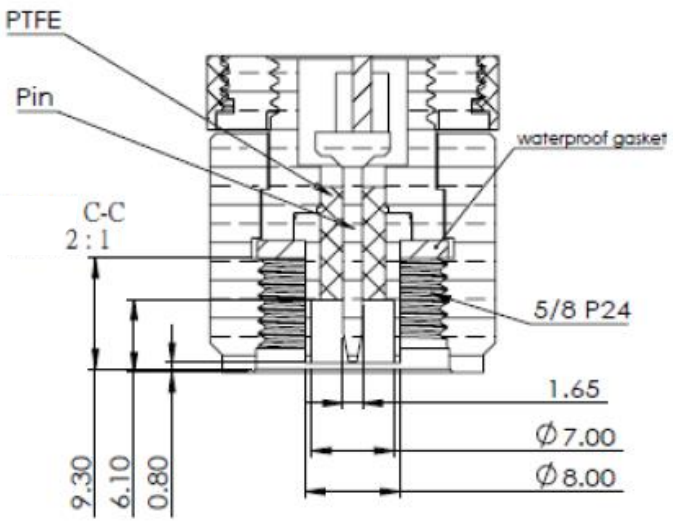
Handheld manpack

30MHz to 520MHz Military Handheld & Manpack Whip Antenna, N-Male Connector Type: A

ST-30512MA-NM

- Frequency: 30 – 520 MHz
- Size : 1409mm
- Weight : 0.55 kg
- Connector : N-Male
- Standard Test : MIL-810





Military Antenna

ST-240A-AA 240mm M8 black gooseneck Snake tube (15mm) • Thread: M8*1.25 • Weight: 190g	**ST-305-AA** 178mm M8 black gooseneck Antenna Snake tube (15mm) • Thread: M8*1.25 • Weight: 270g
ST-300-AA 300mm M8 black gooseneck Snake tube (12.8mm) • Thread: M8*1.25 • Weight: 250g	**ST-240A-AA** 240mm M8 black gooseneck Snake tube (15mm) • Thread: M8*1.25 • Weight: 190g
ST-210-AI 205mm 5/16-24 Black Gooseneck Snake tube (11.8mm) • Thread: 5/16-24UNEF • Weight: 120g	**ST-240-AA** Antenna gooseneck 240mm M8 black Snake tube (12.8mm) • Thread: M8*1.25 • Weight: 190g
ST-205-AA 205mm M6 black gooseneck Snake tube (11.8mm) • Thread: M8*1.25 • Weight: 120g	**ST-200A-AA** Antenna Gooseneck 170mm M8 Black Snake tube (14.7mm) • Thread: M8*1.25 • Weight: 200g
ST-180-AA Antenna Gooseneck 180mm M8 black Snake tube (12.8mm) • Thread: M8*1.25 • Weight: 160g	**ST-178-AA** Antenna Gooseneck 170mm M12 black Snake Tube (15mm) • Thread: M12*1.25 • Weight: 200g

Goose neck

ST-165-AA Antenna Gooseneck 170mm M8 Black Snake tube (11.8mm) • Thread: M8*1.25 • Weight: 130g	**ST-164-AA** Antenna Gooseneck 164mm M8 black Snake tube (12.8mm) • Thread: M8*1.25 • Weight: 130g
ST-160-AA Antenna Gooseneck 158mm M8 black Snake tube (12.8mm) • Thread: M8*1.25 • Weight: 150g	**ST-C160-TN** TNC-Male to Male for RG316D Coaxial adapter 170mm Gooseneck (12.8mm) • Thread: TNC Male*2 • Weight: 150g

Gooseneck antennas from FT-RF are perfect for dismounted applications that require a ruggedized, high-performance antenna with a flexible base. The antenna's orientation can be simply modified to maximize link performance. It is built to military specifications.

Others Antenna

Military Dish Antenna	
Military GPS	
Military Horn Antenna	
High Power Panel Antenna	
Others	Please contact us for details.

info@synergytpl.com

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New Delhi, Delhi 110018

HORN ANTENNA

EMC EMI ANTENNA

- Double Ridged Horn Antenna
- Quad-Ridged Horn Antenna
- Log Periodic Antenna
- Precise Sleeve Dipole Antenna

CONTACT US
info@synergytpl.com

Double-Ridged

HORN ANTENNA

Horn Antenna

Double Ridged Horn Antenna applications:

- Antenna measurement
- Communication Systems
- Satellite tracking Systems
- Radar Detection System
- Surveillance System
- Electromagnetic Compatibility

ST-02M03G01-NF

- Frequency: 200MHz to 3GHz
- Gain: 3dbi to 12dBi
- Dimension: 986x960x720mm
- N.W.: 15kg
- Connector: N-Female/ 7/16-Female

ST-04M08GJ1-NF (Outdoor Jamming Horn Antenna)

- Frequency: 400MHz to 8GHz
- Gain: 1dbi to 20dBi
- Dimension: 510x410x660mm
- N.W.: 11.34kg
- Connector: N-Female

ST-03M08GT1-NF

- Frequency: 300MHz to 8GHz
- Gain: -10dbi to 16dBi
- Dimension: 495x458x458mm
- N.W.: 8.8kg
- Connector: N-Female

ST-03M06GT2-NF

- Frequency: 300MHz to 6GHz
- Gain: -6dbi to 20dBi
- Dimension: 756x600x393mm
- N.W.: 9kg
- Connector: N-Female

ST-06M08G-NF

- Frequency: 600MHz to 8GHz
- Gain: 4dbi to 14dBi
- Dimension: 344x319x196 mm
- N.W.: 2.9kg
- Connector: N-Female

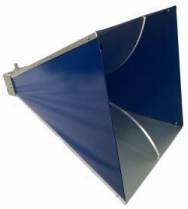
Double Ridged

ST-06M17G-NF

- Frequency: 600MHz to 17GHz
- Gain: -5dbi to 17dBi
- Dimension: 350x290x190mm
- N.W: 1.4kg
- Connector: N-Female

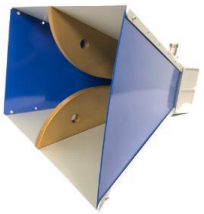
ST-07M08GA2-NF

- Frequency: 700MHz to 8GHz
- Gain: 6dbi to 17dBi
- Dimension: 661x430x445mm
- N.W.: 8.1kg
- Connector: N-Female



ST-07M08G-NF

- Frequency: 700MHz to 8GHz
- Gain: 4dbi to 17dBi
- Dimension: 180x334x288mm
- N.W.: 1.35 KG
- Connector: N-Female

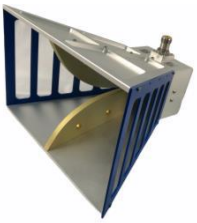


ST-07M18G-NF

- Frequency: 700 MHz to 18 GHz
- Gain: 3dbi to 18dBi
- Dimension: 187x242x290mm
- N.W.: 1.83 KG
- Connector: N-Female

ST-08M18G-NF

- Frequency: 8 GHz to 18GHz
- Gain: 3dbi-18dBi
- Dimension: 203x246x147mm
- N.W.: 1.3 kg
- Connector: N-Female



ST-08M18G-L-NF

- Frequency: 800MHz to 18GHz
- Gain: 3dbi to 16dBi
- Dimension: 142x247x204mm
- N.W.: 1.2 kg
- Connector: N-Female

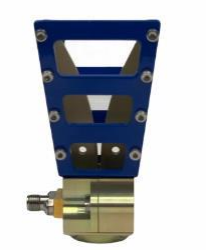
Horn Antenna

ST-0218G-NF

- Frequency: 2GHz to 18GHz
- Gain: 5dbi to 17dBi
- Dimension: 142x120x83mm
- N.W.: 0.5 KG
- Connector: Female

ST-0540GB-KF

- Frequency: 5GHz to 40GHz
- Gain: 1dBi to 15dBi
- Dimension: 104x55x43mm
- N.W.: 0.92kg
- Connector: K-Female



ST-1040GA1-KF

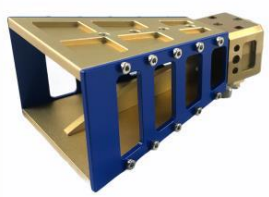
- Frequency: 10GHz to 40GHz
- Gain: 7dBi to 17dBi
- Dimension: 77x55x38mm
- N.W.: 0.9kg
- Connector: K-Female

ST-1840GA1-KF

- Frequency: 18GHz to 40GHz
- Gain: 13dbi to 16dBi
- Dimension: 74x55x38mm
- N.W.: 90g
- Connector: K-Female

ST-1840GA2-KF

- Frequency: 18GHz to 40GHz
- Gain: 15dbi to 18dBi
- Dimension: 128x68x44mm
- N.W.: 119g
- Connector: K-Female



ST-1840GA3-KF

- Frequency: 18-40GHz
- Gain: 16dbi to 19dBi
- Dimension: 153x81x51mm
- N.W.: 157g
- Connector: K-Female

Horn Antenna

ST-03M08GT1-NF

- Frequency: 300MHz to 8GHz
- Gain: -10dbi to 16 dBi
- Dimension: 495x458x458mm
- N.W.: 8.8 KG
- Connector: N-Female

ST-03M06GT2-NF

- Frequency: 300MHz to 6GHz
- Gain: -6dbi to 20 dBi
- Dimension: 756x600x393mm
- N.W.: 9 KG
- Connector: N-Female

ST-08M08G-NF

- Frequency: 800MHz to 8GHz
- Gain: 3dbi to 17dBi
- Dimension: 202x245x143mm
- N.W.: 0.8 KG
- Connector: N-Female

ST-07M13G-NF

- Frequency: 700MHz to 13GHz
- Gain: 3dbi to 16dBi
- Dimension: 192x345x288mm
- N.W.: 1.67 KG
- Connector: N-Female

ST-04M07G-NF

- Frequency: 400 MHz to 7 GHz
- Dimension: 619x414x644mm
- Weight: 6390g
- Connector: N-Female

ST-04M06GT3-NF

- Frequency: 400 MHz to 7 GHz
- Dimension: 318x414x644
- Weight: 4047g
- Connector: N-Female

ST-03M08GA3-NF

- Frequency: 300 MHz to 8 GHz
- Dimension: 437x559x998mm
- Weight: 8752g
- Connector: N-Female

Antenna Tripod - LM-301

- Height: 84.1cm-140.5cm
- Maximum Load: 22.5kg
- Tripod weight: 8kg

Open boundary

Double-Ridged

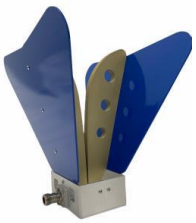
Horn Antenna

ST-07M08G-NF

- Frequency: 700MHz – 8GHz
- Gain: 3-14dBi
- Polarization: Vertical or Horizontal
- Connector: N-Female
- Max power: 500W

ST-07M18G-NF

- Frequency: 700MHz – 18GHz
- Gain: 3-17dBi
- Polarization: Vertical or Horizontal
- Connector: N-Female
- Max power: 500W



ST-08M18G-NF

- Frequency: 800MHz – 18GHz
- Gain: 3-14dBi
- Polarization: Vertical or Horizontal
- Connector: N-Female
- Max power: 500W

ST-08M08G-NF

- Frequency: 800MHz –8GHz
- Gain: 3-15dBi
- Polarization: Vertical or Horizontal
- Connector: N-Female
- Max power: 500W c

Quad-ridged horn

ST-03M06G01-NF

- Frequency: 300MHz to 6GHz
- Dimension: 439x439x476mm
- N.W: 8.4kg
- Connector: N-femalex2

ST-03M08G1-SF

- Frequency: 300MHz to 8.5GHz
- Dimension: 439x439x425mm
- N.W.: 6.8kg
- Connector: SMA-Female

ST-07M10G-NF

- Frequency: 700MHz-10GHz
- Dimension: 267x269x402mm
- N.W: 4kg
- Connector: N-femalex2

ST-01G08G-NF

- Frequency: 1GHz-8GHz
- Dimension: 247x247x 365mm
- N.W.: 2.8kg
- Connector: N-femalex2

ST-300M10G01-SF

- Frequency: 300MHz to 10GHz
- Dimension: 368x359x577mm
- N.W.: 5.6kg
- Connector: SMA-Femalex2

ST-0218G01-SF

- Frequency: 2GHz to 8GHz
- Dimension: 173x143x143mm
- N.W.: 1.08 KG
- Connector: SMA-Femalex2

Open Boundary Quad-Ridged

Horn Antenna

ST-0218G-SF

- Frequency: 2GHz to 18GHz
- Gain: 2dbi to 18dBi
- Dimension: 157x157x180mm
- N.W.: 0.88kg
- Connector: SMA-Femalex2

ST-03M06G08-NF

- Frequency: 300MHz to 6GHz
- Gain: 3dbi to 14dBi
- Dimension: 510x507x507mm
- N.W.: 4.2kg
- Connector: N-Femalex2

ST-07M06G08-NF

- Frequency: 700MHz to 6GHz
- Gain: 5dbi to 12dBi
- Dimension: 346x346x343mm
- N.W.: 1.95kg
- Connector: N-Femalex2

ST-07M10GA1-SF

- Frequency: 700MHz to 10GHz
- Gain: 0dBi to 12dBi
- Dimension: 241x226x241
- N.W.: 1.3kg
- Connector: SMA-Femalex2

ST-07M06G06-NF

- Frequency: 700MHz to 6GHz
- Gain: 4dbi to 14dBi
- Dimension: 345x366x345mm
- N.W.: 4.9kg
- Connector: N-Femalex2

ST-03M06G01-NF

- Frequency: 300MHz to 6GHz
- Gain: 1dbi to 14dBi
- Dimension: 540x513x513mm
- N.W.: 8.6kg
- Connector: N-Female

HST-07M06G06-NF

- Frequency: 700MHz to 6GHz
- Gain: 4dbi to 14dBi
- Dimension: 345x366x345mm
- N.W.: 4.9kg
- Connector: N-Femalex2

ST-07M10GT1-SF

- Frequency: 700MHz to 10GHz
- Gain: -8dbi to 14dBi
- Dimension: 241x241x281mm
- N.W.: 1.36kg
- Connector: N-Femalex2

ST-07M08G01-SF

- Frequency: 700MHz to 8GHz
- Gain: 3dbi to 15dBi
- Dimension: 405x405X375mm
- N.W.: 4.95kg
- Connector: N-Femalex2

ST-07M18GA1-SF

- Frequency: 700MHz to 18GHz
- Gain: 1dbi to 14dBi
- Dimension: 242x242x233mm
- N.W.: 1.42kg
- Connector: N-Femalex2

Sleeve Dipole

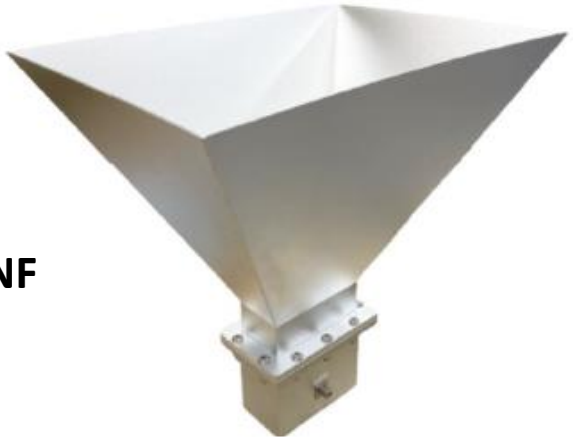
Precision Sleeve Dipole Antenna is omnidirectional antennas with a low VSWR and an electric dipole pattern that resembles a half-wave resonant dipole. The antenna can be end-fed thanks to the sleeve dipole design, which eliminates cable and feed point interactions that can degrade antenna performance and reduce cable interaction.

The Sleeve dipole antennas have a nominal 50-ohm impedance, a one-watt maximum continuous transmit power, and SMA Female connector (N-Female Connector optional) please contact us for details info@Synergytpl.com

Gain, VSWR, max. ripple and measurement uncertainty values are provided with each calibration.

Frequency (MHz)	Model
400 – 550	ST-450-SF
400 – 600	ST-500-SF
600 – 800	ST-700-SF
700 – 900	ST-800-SF-V2
820 – 980	ST-900-SF-V2
1075 – 1375	ST-900-SF-V2
1400 – 1700	ST-1550-SF
1550 – 1850	ST-1700-SF
1650 – 1950	ST-1800-SF
1895 – 2195	ST-2045-SF
1995 – 2295	SL-2145-SF
2300 – 2600	ST-2450-SF
2450 – 2750	ST-2600-SF
3000 – 3300	ST-3200-SF
3450 – 3800	ST-3500-SF
3500 – 3700	ST-3600-SF
3800 – 42000	ST-4000-SF
4900 – 5400	ST-5300-SF
5400 – 5600	ST-5500-SF
5400 – 5900	ST-5800-SF

STANDARD GAIN HORN ANTENNA



ST-650-UDR-15-NF

ST-90-UBR-20

Standard Gain Horn Antenna without Adapter (Waveguide Input Antenna)

FT-RF Standard gain horn antenna product series includes waveguide sizes WR28, WR42, WR51, WR62, WR75, WR90, WR112, WR137, WR159, WR187, WR229, WR284 and WR340, WR430, WR510, WR650, WR770, WR975, WR1150, WR1500, WR1800, WR2100, WR2300, with broadband waveguide horn antennas have frequency capabilities ranging from 320Mhz to 40 GHz depending on type and style. with the gain of 10dBi, 15dBi, 20dBi and 25dBi.

ST-510-UDR-NF

Waveguide to Coaxial Adapter

Standard Gain Horn Antenna

Waveguide	Frequency range	Waveguide	Frequency Range
WR28	26.5 – 40 GHz	WR284	2.6 – 3.95 GHz
WR43	22 – 33 GHz	WR340	2.2 – 3.3 GHz
WR42	18 – 26.5 GHz	WR430	1.7 – 2.6 GHz
WR51	15 – 22 GHz	WR510	1.45 – 2.2 GHz
WR62	12.4 – 18 GHz	WR650	1.14 – 1.73 GHz
WR75	10 – 15 GHz	WR770	960 -1450 MHz
WR90	8.2 – 12.4 GHz	WR975	750 – 1120 MHz
WR112	7.05 – 10 GHz	WR1150	640 – 960 MHz
WR137	5.825 – 8.2 GHz	WR1500	490 – 750 MHz
WR187	3.9 – 5.85 GHz	WR1800	410 – 620 MHz
WR229	3.3 – 4.9 GHz	WR2100	350 – 530 MHz

Standard gain horn antennas are used as calibration devices that measure the gain of other antennas.

These antennas are made up of a combination of a Waveguide to Coax Adapter and Standard Gain Horn with Waveguide Input. It is a kind of simple combination but with great care and attention to create an antenna with accurate and suitable specs.

Standard Gain Horn Antenna Applications:

- Antenna measurement
- Radar Detection System
- Wireless Communication
- Spectrum Monitoring
- Electromagnetic interference Testing (EMI test)

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New Delhi, Delhi 110018

LORA ANTENNA

868 MHz, 915 MHz & 923 MHz

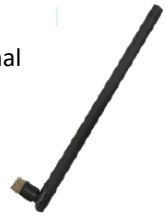
Indoor Antenna

ST-8994M03-RSMB
- Freq: 890-940MHz
- Radiation: Omni Directional
- Gain: 3dBi
- Connector: RP-SMA-Male
- Dimension: 198x12.5mm
- Weight: 30g

ST-9296M03-SM
- Freq: 920-960MHz
- Radiation: Omni Directional
- Gain: 3dBi
- Connector: SMA-Male
- Dimension: 237x12.5mm
- Weight: 46g

ST-1820M05-SM
- Freq: 1800MHz-2000MHz
- Radiation: Omni Directional
- Gain: 5dBi
- Connector: SMA-Male
- Dimension: 237x12.5mm
- Weight: 46g

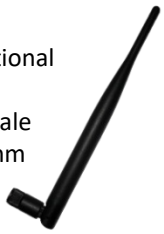
ST-2122M05-SM
- Freq: 2100-2200MHz
- Radiation: Omni Directional
- Gain: 5dBi
- Connector: SMA-Male
- Dimension: 198x12.5mm
- Weight: 30g



ST-242502-RSMB
- Freq: 2400-2500MHz
- Radiation: Omni Directional
- Gain: 2dBi
- Connector: RP-SMA-Male
- Dimension: 108x12.5mm
- Weight: 15g

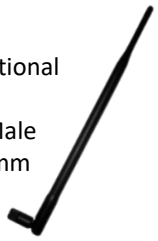
ST-242503-RSMB
- Freq: 2400-2500MHz
- Radiation: Omni Directional
- Gain: 3dBi
- Connector: RP-SMA-Male
- Dimension: 137x12.5mm
- Weight: 25g

ST-242505-RSMB
- Freq: 2400-2500MHz
- Radiation: Omni Directional
- Gain: 5dBi
- Connector: RP-SMA-Male
- Dimension: 192x12.5mm
- Weight: 30g

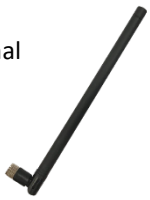


ST-242505-NM
- Freq: 2400-2500MHz
- Radiation: Omni Directional
- Gain: 5dBi
- Connector: N-Male
- Dimension: 190x44mm
- Weight: 30g

ST-242507-RSMB
- Freq: 2400-2500MHz
- Radiation: Omni Directional
- Gain: 7dBi
- Connector: RP-SMA-Male
- Dimension: 332x12.5mm
- Weight: 50g



ST-2527M06-SM
- Freq: 2500-2700MHz
- Radiation: Omni Directional
- Gain: 6dBi
- Connector: SMA-Male
- Dimension: 237x12.5mm
- Weight: 46g



ST-242503-NF
- Freq: 2400-2500MHz
- Radiation: Omni Directional
- Gain: 6dBi
- Connector: N-Female
- Dimension: 170x140mm
- Weight: 210g

ST-245805-RSMB
- Freq: 2400/5800MHz
- Radiation: Omni Directional
- Gain: 5dBi
- Connector: RP-SMA-Mal
- Dimension: 163x22mm
- Weight: 30g

ST-0821G02-RASM
- Freq: 824-960MHz / 1710-2170MHz
- Radiation: Omni Directional
- Gain: 6dBi
- Connector: RA-SMA- Male
- Dimension: 57.5x16.6mm
- Weight: 30g X

Application:
– IoT wireless & M2M: Bluetooth, ZigBee, and ISM. Since it is vertically polarized, it is compatible with many machine-to-machine communication applications, remote monitoring, and telemetry applications.
– 2.4GHz Wi-Fi applications: 802.11N, 802.11G, 802.11B
– Compatible with Bluetooth devices, Wireless Access Points & other wireless devices that have RP-SMA antenna jacks
– Bluetooth antenna

FT-RF Indoor Antenna (Wi-Fi Indoor Antenna) is articulating right-angle Antenna. These have a bendable angle at the base so that they can be mounted at a 90-degree right angle, straight, or at some angle between 90 degrees and 180 degrees.

LORA Antenna

868 MHz LoRa antenna series are Omnidirectional outdoor antenna, which operates from 860 to 870MHz band and a center frequency of 868MHz - it's also known as EU868 (or EU market).
- The UV-resistant fiberglass shell enables all-weather operation.
- Any type and length of cable can be terminated with an N-Type connector.
- Helium miner, Helium hotspot, RFID, WLAN, ISM BAND, 868MHz Application

The OA-868M series, often known as EU868 (for the European market), is a license-free ISM band with a core frequency of 868MHz. The omnidirectional antenna employs an advanced collinear dipole design, which means it radiates uniformly in the azimuth with a high gain across long distances, reducing the number of cells or nodes required in a network.

Model	Gain(dbi)	Dimension(mm)	Weight (g)	Connector
ST-868M03-NF	3	320x70x50	330	N-Female
ST-868M04-NF	4	670x70x55	513	N-Female
ST-868M05-NF	5	820X70X55	654	N-Female
ST-865M05C-NF	5	745x70x55	392	N-Female
ST-868M06-NF	6	1200x70x55	586	N-Female
ST-868M06C-NF	6	915±30x70x55	481	N-Female
ST-868MO7-NF	7	1300x70x55	780	N-Female
ST-868M07C-NF	7	1235x70x55	600	N-Female
ST-868M08-NF	8	1475x70x50	1070	N-Female
ST-868M09-NF	9	1614±30x70x50	920	N-Female
ST-868M10-NF	10	2240x70x50	994	N-Female
ST-868M12-NF	12	2240x70x50	994	N-Female
ST-868M03-NM	3	295x20x20	180	N-Male

LORA Antenna

Model	Gain(dbi)	Dimension(mm)	Weight (g)	Connector
ST-915M03-NF	3	318x70x50	274	N-Female
ST-915M04-NF	4	745x70x50	572	N-Female
ST-915M05-NF	5	800x70x50*	680	N-Female
ST-915M05C-NF	5	800x70x50*	443	N-Female
ST-915M06-NF	6	1100x70x50	596	N-Female
ST-915M06C-NF	6	1100x70x50	523	N-Female
ST-915MO7-NF	7	1095x70x50*	572	N-Female
ST-915M07C-NF	7	1235x70x50*	572	N-Female
ST-915M08-NF	8	1474x70x55	858	N-Female
ST-915M09-NF	9	1474x70x55	900	N-Female
ST-915M12-NF	12	2235x70x50	1500	N-Female
ST-923M06-NF	6	1500x70x55	700	N-Female
ST-923M03-NF	3	318x70x50	250	N-Female

LORA Antenna 915 & 923 MHZ

• 915MHz Lora antenna work at frequencies ranging from 902MHz to 928MHz (for 915MHz series). And 917 MHz to 928 MHz with 923 MHz of center frequency.
• The dipole antenna is one of the most common and simplest antenna designs. ISM, WLAN, RFID, Sig Fox, Lora, and LPWA networks are among the applications, as is helium hotspot - one of the projects that have expanded quickly in recent years.
• The antenna is constructed in a straight line and is relatively light in weight, making it suitable for a variety of situations, including the most severe, thanks to its UV-resistant shell
• *The actual size could be slightly different
• The UV-resistant fiberglass shell enables all-weather operation.
• For lightning protection, it is made of copper elements and coupled to the DC ground potential.
• Any type and length of cable can be terminated with a female N-Type connector.

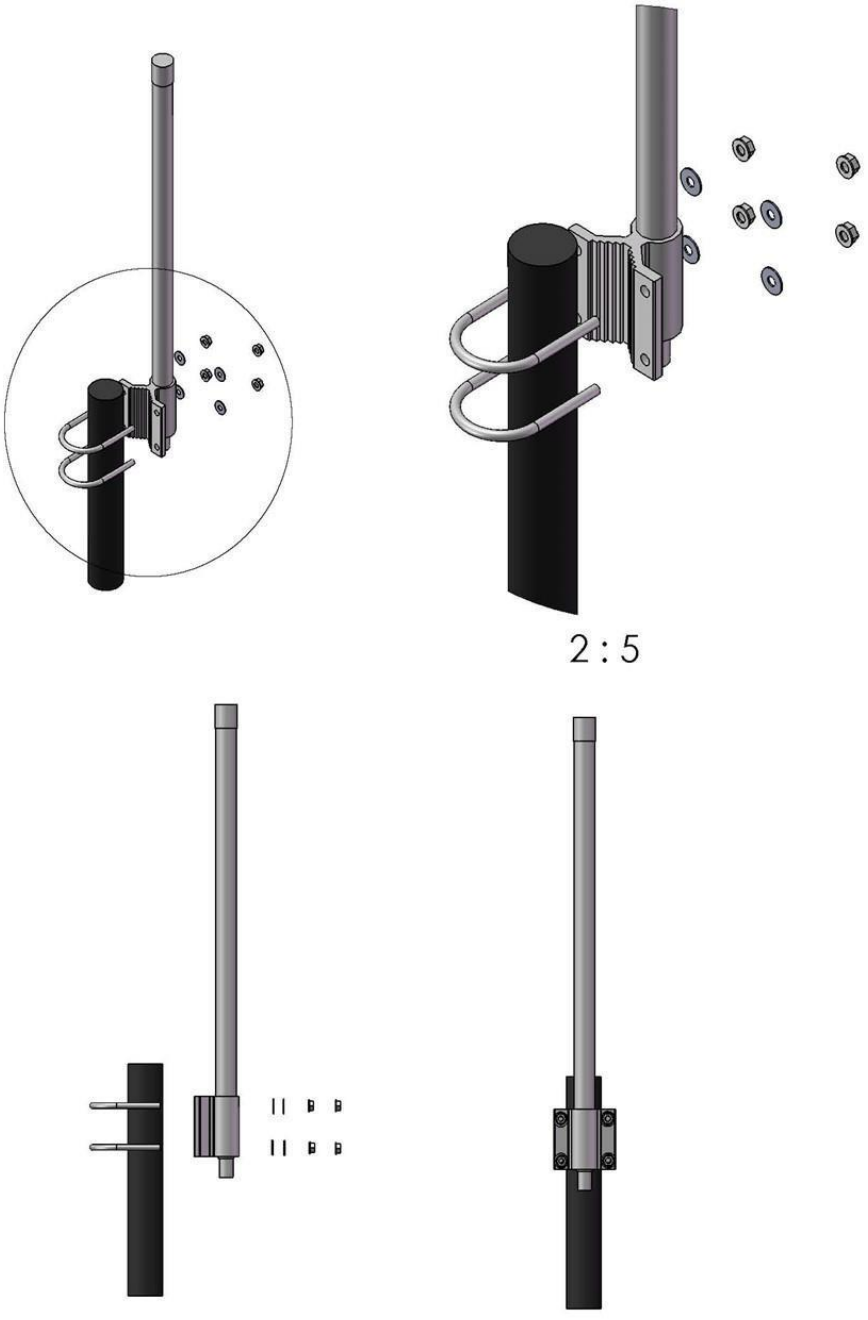
Outdoor Antenna

Frequency range	Application
118MHz - 174MHz	VFH Very high frequency – FM Radio, TV broadcasts, and aircraft communications, Military/Defense
170MHz - 225MHz	
310MHz - 436MHz	433MHz, Smart City & IoT, UHF Ultra high frequency – TV broadcasts, microwave ovens, mobile phones, wireless LAN, Bluetooth, GPS, and two-way Radios
430MHz - 512MHz	• 433MHz antenna/Sigfox/LoRa/LPWA/RFID/ISM for all types of equipment that require little power. • Suitable for IoT solutions that use 433 MHz wireless communications • UHF Antenna Outdoor, cellular IoT (LTE-M, NB-IoT) Ground communication stations • Temporary installations for short-term communication networks, general aviation air to ground radio Systems, Land Mobile Radio (LRM), and industrial radio services.
696MHz – 830MHz	LTE directional antenna, LTE base station signals, 700 MHz Network
824MHz – 896MHz	Low Power Networks (LPWAN) as Sigfox and LoraWan are using for communicating (EU868)
890MHz – 960MHz	RFID, ETC, ISM Band, LoRa 915MHz, 900MHz, 4G, 2G, LTE, Surveillance, Security
1030MHz – 1600MHz	Surveillance, Security, 4G LTE
1710MHz – 2170MHz	4G LTE
2200MHz – 2500MHz	WiMAX, LTE, 2.3GHz, Wireless LAN, IEEE 802.11X
2400MHz – 2500MHz	WIFI, 2.4GHz, MIMO, IEEE 802.11b/g/n/p, Wireless LAN, WLAN
2500MHz – 2700MHz	LTE 2600MHz
3300MHz – 4200MHz	WiMAX, 5G, 6G
4400MHz – 4900MHz	SHF Super high frequency – Radars, Mobile Phones, and Commercial Wireless LAN
4900MHz – 6200M	WiMAX, Wi-Fi, IEEE802.11A, Wireless LAN, 5.8GHz UNII, and ISM Applications, 5G, Unlicensed European 5.4 GHz Band

Outdoor Antenna Installation

Recently, the term "Lora antenna" has become popular. However, we understand that not everyone knows how to properly install an antenna; the most essential thing to remember is that there should be no metal behind the antenna, as this can disrupt the antenna pattern.

Please double-check that you've installed everything correctly



ST-PRO03-NFBNM

DC to 3GHz N-male to N-Female Bulkhead Arrester

ST-0NF0NF06-NI

DC to 6GHz N-Female to N-Female Bulkhead Arrester

ST-PRO06-RTNFRTNM

DC to 6GHz RP TNC Male to RP TNC Bulkhead Female Arrester

ST-PRO06-NFBTN

DC to 6GHz N-Female Bulkhead to TNC Female Arrester

ST-0NM0NF06-NI

DC to 6GHz N-Male to N-Female Bulkhead Arrestor

ST-PRO06-SMFBSMF

DC to 6GHz SMA Female to SMA Bulkhead Female Arrester

RF Arrestor & Adaptor

ST-00NF00NF6G-BN

N-Female to N-Female Bulkhead Adapter DC-6GHz

ST-SFFSFF-B-ST

Stainless Steel SMA-Female to SMA-Female Lock Adapter DC-10GHz

ST-SMMSMM-B-CP

Stainless Steel SMA-Female to SMA-Female Bulkhead Adapter DC-18GHz

ST-00NM00NM3G-BN

N-Male to N-Male Adapter DC-3GHz

ST-SFFSFF-10L-ST

Stainless Steel SMA-Female to SMA-Female Lock Adapter DC-10GHz

RF Connector & Coaxial cable

SMA Connector Model No.
SMA-JJG
SMA-JJW
SMA-JJWG
SMA-JK
SMA-JKW
SMA-JKWG
SMA-KK
SMA-KKF
SMA-KKW
SMA-KKWG
SMA-KKY
SMA-KKYG
SMA/N-JJG
SMA/N-JKG
SMA/N-KJG
SMA/N-KKG

2.4mm Connector Model No.
2.4-JJG
2.4-JJWG
2.4-JKG
2.4-JKWG
2.4-KKFG
2.4-KKG
2.4-KKWG
2.4-KKYG

2.92mm Connector Model No.
2.92-JJG
2.92-JJWG
2.92-JKG
2.92-JKWG

RG Coaxial Cable

Type: RG8, RG58A/U, RG58, RG58U, RG142, RG174, RG178, RG188A/U, RG213, RG214, RG223, RG316, RG316D, RG400, CFD100

FT Series

FT195, FT200, FT240, FT300, FT400

LMR Series

LMR900, LMR1200

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