

TA500

Low Loss Phase Stable Cable Assembly DC~26.5GHz



Features

- Low Loss
- High Phase Stability
- Excellent Performance
- Well Durability
- Suitable for All Kinds of Harsh Environment

Applications

- Laboratory
- Wireless Communications
- Phased Array Radar
- Avionics

Specifications

Electrical

Operating Frequency	DC~26.5GHz
Cutoff Frequency	29GHz
Impedance	50Ω
Velocity of Propagation	83%
Screening Effectiveness	90dB min
PIM	-155dBc
Voltage Rating	1500V, DC
Phase Stability	<750ppm@-55°C~+85°C

Environmental & Mechanical

Operating Temperature	-55°C~+165°C
Min Bending Radius/Single	26.00 mm
Min Bending Radius/Repeated	52.00 mm
Weight	60g/m

Attenuation@25°C & Power@40°C(sea level)

Frequency(GHz)	1	2	3	6	8	10	12.4	18	26.5
Attenuation(dB/100m)	23.4	33.3	41	58.5	67.9	76.3	85.4	103.8	127.5
Power Handling(W)	1128	793	645	451	389	346	309	254	207

Construction

Inner Conductor	Solid Silver-plated Copper	1.45mm
Dielectric	Low Density PTFE	3.99mm
Inner Shield	Silver-plated Copper Tape	4.19mm
Outer Shield	Silver-plated Copper Braid	4.60mm
Jacket	FEP	5.20mm

Outline



Ordering Information

TA500 - 26.5 - SFSF - 1

Cable

Operating Frequency(GHz)

RF Connectors(S:SMA)

SS: SMA male to SMA male

SSF: SMA male to SMA female

SFSF: SMA female to SMA female

Overall Length(meter(s))