

TA550

Low Loss Phase Stable Cable Assembly DC~18GHz

TITAN MICROWAVE INC.



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~18GHz
- Cutoff Frequency 26.5GHz
- Impedance 50Ω
- Velocity of Propagation 83%
- Screening Effectiveness 90dB min
- PIM -155dBc
- Voltage Rating 2000V, DC
- Phase Stability <750ppm@-55°C~+85°C

Environmental & Mechanical

- Operating Temperature -55°C~+165°C
- Min Bending Radius/Single 28.00 mm
- Min Bending Radius/Repeated 56.00 mm
- Weight 75g/m

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

Frequency(GHz)	1	2	3	6	8	10	12.4	16	18
Attenuation(dB/100m)	22.3	31.6	38.8	55	63.6	71.2	79.5	90.5	96.1
Power Handling(W)	1024	723	589	415	359	320	287	252	238

Construction

Inner Conductor	Solid Silver-plated Copper	1.6 mm
Dielectric	Low Density PTFE	4.3 mm
Inner Shield	Silver-plated Copper Tape	4.5 mm
Outer Shield	Silver-plated Copper Braid	5.1 mm
Jacket	FEP	5.6 mm

Outline



Ordering Information

TA550 - 18 - SFSF - 1

Cable Code

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))