TA500W

Multi-layer Low Loss Phase Stable Flexible Cable Assembly DC~26.5GHz

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~26.5GHz
 Cutoff Frequency 29GHz
 Impedance 50Ω
 Velocity of Propagation 83%
 Screening Effectiveness 90dB min -155dBc
 Voltage Rating 1500V, DC

■ Phase Stability <750ppm@-55°C $\sim +85$ °C

Environmental & Mechanical

Operating Temperature -55°C∼+165°C

Min Bending Radius/Single 27.00 mm

Min Bending Radius/Repeated 54.00 mm

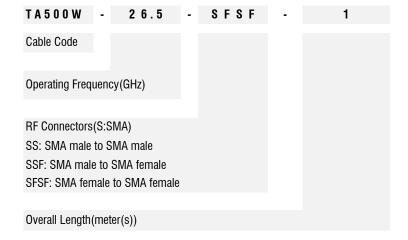
Weight 63g/m

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)	919	646	525	368	317	282	252	207	169

Construction Inner Conductor Solid Silver-plated Copper 1.45 mm Dielectric Low Density PTFE 3.99 mm Inner Shield Silver-plated Copper Tape 4.19 mm Interlayer Shield Low Density PTFE 4.45 mm Outer Shield Silver-plated Copper Braid 4.85 mm **Jacket Gray FEP** 5.40 mm **Outline**

Ordering Information



For other connector options, contact factory.