

TA750W

Multi-layer Low Loss Phase Stable Flexible 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 20GHz
- Impedance 50Ω
- Velocity of Propagation 83%
- Screening Effectiveness 90dB min
- PIM -155dBc
- Voltage Rating 2500V, DC
- Phase Stability <750ppm@-55°C~+85°C

Environmental & Mechanical

- Operating Temperature -55°C~+165°C
- Min Bending Radius/Single 38.00 mm
- Min Bending Radius/Repeated 76.00 mm
- Weight 118g/m

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

Frequency(GHz)	1	2	3	6	8	10	12.4	16	18
Attenuation(dB/100m)	16.7	23.7	29.1	41.4	47.9	53.7	59.9	68.2	72.5
Power Handling(W)	1740	1227	1000	704	608	543	487	427	402

Construction

Inner Conductor	Solid Silver-plated Copper	2.10 mm
Dielectric	Low Density PTFE	5.70 mm
Inner Shield	Silver-plated Copper Tape	5.95 mm
Interlayer Shield	Low Density PTFE	6.20 mm
Outer Shield	Silver-plated Copper Braid	6.80 mm
Jacket	Gray PFA	7.60 mm

Outline



Ordering Information

TA750W	-	18	-	NFN	-	1
Cable Code						
Operating Frequency(GHz)						
RF Connectors(N:type-N)						
NN: N male to N male						
NNF: N male to N female						
NFNF: N female to N female						
Overall Length(meter(s))						

For other connector options, contact factory.