

TA810

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 18GHz
- 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 41.00 mm
- Min Bending Radius/Repeated 81.00 mm
- Weight 140g/m

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

Frequency(GHz)	1	2	3	6	8	10	12.4	16	18
Attenuation(dB/100m)	13.7	19.5	24.1	34.8	40.6	45.8	51.5	59.3	63.3
Power Handling(W)	1894	1324	1071	743	636	564	502	436	409

Construction

Inner Conductor	Solid Silver-plated Copper	2.40 mm
Dielectric	Low Density PTFE	6.36 mm
Inner Shield	Silver-plated Copper Tape	6.60 mm
Outer Shield	Silver-plated Copper Braid	7.10 mm
Jacket	PFA	8.10 mm

Outline



Ordering Information

TA810 - 18 - NFNF - 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))