

# TB1200

## High Power Low Loss Cable Assembly DC~10GHz

**TITAN MICROWAVE INC.**



### Features

- Frequency Range DC~10GHz
- Low PIM
- Low Loss
- High Power

### Applications

- Radar
- Wireless Communications
- Interconnection
- Avionics

## Specifications

### Electrical

- Operating Frequency DC~10GHz
- Cutoff Frequency 11GHz
- Impedance 50Ω
- Velocity of Propagation 76%
- Screening Effectiveness 90dB min
- PIM -155dBc
- Voltage Rating 3000V, DC

### Environmental & Mechanical

- Operating Temperature -55°C~+200°C
- Min Bending Radius/Single 60.00 mm
- Min Bending Radius/Repeated 120.00 mm
- Weight 300g/m

### Attenuation & Power

Frequency(GHz)	1	2	3	4	6	7	8	10
Attenuation(dB/100m)	13	18.7	23.3	27.2	33.9	37	398	45.2
Power Handling(W)	2590	1797	1446	1238	991	910	844	745

### Construction

 Inner Conductor	Solid Silver-plated Copper	3.50mm
 Dielectric	Low Density PTFE	9.90mm
 Inner Shield	Silver-plated Copper Tape	10.17mm
 Interlayer Shield	Aluminum Foil	10.30mm
 Outer Shield	Silver-plated Copper Braid	11.02mm
 Jacket	Blue FEP	12.00mm

### Outline



## Ordering Information

**T B 1 2 0 0 - 1 0 - N N F - 1**

Cable Code

Operating Frequency(GHz)

RF Connectors(N: N-Type)

NN: N male to N male

NNF: N male to N female

NFNF:N female to N female

Overall Length(meter(s))