

# TB1000

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

(Equivalent to SFT393 of Times Microwave Systems)



### 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	15GHz
Impedance	50Ω
Velocity of Propagation	76%
Screening Effectiveness	90dB min
PIM	-155dBc
Voltage Rating	2500V, DC

#### Environmental & Mechanical

Operating Temperature	-55°C~+200°C
Min Bending Radius/Single	47.00 mm
Min Bending Radius/Repeated	93.00 mm
Weight	193g/m

#### Attenuation & Power

Frequency(GHz)	1	2	3	4	6	7	8	9	10
Attenuation(dB/100m)	14.7	21.1	26.2	30.6	38.2	41.5	44.7	47.7	50.6
Power Handling(W)	2485	1728	1393	1194	958	880	818	766	722

#### Construction

Inner Conductor	Solid Silver-plated Copper	2.44mm
Dielectric	Low Density PTFE	7.24mm
Inner Shield	Silver-plated Copper Tape	7.48mm
Interlayer Shield	Aluminum Foil	7.61mm
Outer Shield	Silver-plated Copper Braid	8.19mm
Jacket	Blue FEP	9.3mm

#### Outline



### Ordering Information

**TB1000 - 10 - SSF - 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))