

# TB460

## High Power Low Loss Cable Assembly DC~18GHz

(Equivalent to SFT142 of Times Microwave Systems)



### Features

- Frequency Range DC~18GHz
- Low PIM
- Low Loss
- High Power

### Applications

- Radar
- Wireless Communications
- Interconnection
- Avionics

### Specifications

#### Electrical

Operating Frequency	DC~18GHz
Cutoff Frequency	35GHz
Impedance	50Ω
Velocity of Propagation	76%
Screening Effectiveness	90dB min
PIM	-155dBc
Voltage Rating	1000V, DC

#### Environmental & Mechanical

Operating Temperature	-55°C~+200°C
Min Bending Radius/Single	23.00 mm
Min Bending Radius/Repeated	46.00 mm
Weight	53g/m

#### Attenuation & Power

Frequency(GHz)	1	2	3	6	8	10	12.4	16	18
Attenuation(dB/100m)	35.4	50.4	62	88.8	103.2	116	129.9	148.7	158.3
Power Handling(W)	569	400	324	227	195	174	155	135	127

#### Construction

Inner Conductor	Solid Silver-plated Copper	1.02mm
Dielectric	Low Density PTFE	3.07mm
Inner Shield	Silver-plated Copper Tape	3.27mm
Interlayer Shield	Aluminum Foil	3.43mm
Outer Shield	Silver-plated Copper Braid	4.00mm
Jacket	FEP	4.60mm

#### Outline



#### Ordering Information

<b>TB460</b>	-	<b>18</b>	-	<b>SSF</b>	-	<b>1</b>
Cable						
Operating Frequency(GHz)						
RF Connectors(S: SMA)						
SS: S male to S male						
SSF: SMA male to SMA female						
SFSF: SMA female to SMA female						
Overall Length(meter(s))						