

TB460

High Power Low Loss Cable Assembly DC~18GHz

TITAN MICROWAVE INC.



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

T B 4 6 0	-	1 8	-	S S F	-	1
Cable Code						
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))						