

TB800

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 19GHz
- Impedance 50Ω
- Velocity of Propagation 76%
- Screening Effectiveness 90dB min
- PIM -155dBc
- Voltage Rating 2000V, DC

Environmental & Mechanical

- Operating Temperature -55°C~+200°C
- Min Bending Radius/Single 38.00 mm
- Min Bending Radius/Repeated 76.00 mm
- Weight 130g/m

Attenuation & Power

Frequency(GHz)	1	2	3	6	8	10	12.4	16	18
Attenuation(dB/100m)	17.6	25.2	31.2	45.1	52.7	59.5	67.1	77.3	82.6
Power Handling(W)	1530	1098	887	613	524	464	412	358	335

Construction

 Inner Conductor	Solid Silver-plated Copper	2.06mm
 Dielectric	Low Density PTFE	5.89mm
 Inner Shield	Silver-plated Copper Tape	6.05mm
 Interlayer Shield	Aluminum Foil	6.17mm
 Outer Shield	Silver-plated Copper Braid	6.81mm
 Jacket	Blue FEP	7.62mm

Outline



Ordering Information

T B 8 0 0	-	1 8	-	S S F	-	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))						