

TB800

High Power Low Loss Cable Assembly DC~18GHz



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

TB800	-	18	-	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))						