

TB550

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	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	22.00 mm
Min Bending Radius/Repeated	55.00 mm
Weight	72g/m

Attenuation & Power

Frequency(GHz)	1	2	3	6	8	10	12.4	16	18
Attenuation(dB/100m)	26.3	37.6	46.3	66.6	77.5	87.3	97.9	112.3	119.8
Power Handling(W)	810	567	460	320	275	244	218	190	178

Construction

Inner Conductor	Solid Silver-plated Copper	1.45mm
Dielectric	Low Density PTFE	4.18mm
Inner Shield	Silver-plated Copper Tape	4.42mm
Interlayer Shield	Aluminum Foil	4.55mm
Outer Shield	Silver-plated Copper Braid	4.95mm
Jacket	FEP	5.45mm

Outline



Ordering Information

T B 5 5 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))						