

TB520

High Power Low Loss Cable Assembly DC~18GHz

(Equivalent to SemFlex-HP190S, and SFT205 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	28GHz
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	26.00 mm
Min Bending Radius/Repeated	52.00 mm
Weight	67g/m

Attenuation & Power

Frequency(GHz)	1	2	3	6	8	10	12.4	16	18
Attenuation(dB/100m)	27.7	39.5	48.7	69.9	81.3	91.5	102.7	117.8	125.5
Power Handling(W)	750	526	426	297	195	227	202	176	165

Construction

Inner Conductor	Solid Silver-plated Copper	1.29mm
Dielectric	Low Density PTFE	3.85mm
Inner Shield	Silver-plated Copper Tape	4.05mm
Interlayer Shield	Aluminum Foil	4.20mm
Outer Shield	Silver-plated Copper Braid	4.80mm
Jacket	FEP	5.20mm

Outline



Ordering Information

T B 5 2 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))