

TB520

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 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))						