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
Cutoff Frequency
Impedance
Velocity of Propagation
Screening Effectiveness
PIM
Voltage Rating
DC~18GHz
35GHz
76%
90dB min
-155dBc
1000V, DC

Environmental & Mechanical

Operating Temperature -55℃~+200℃
Min Bending Radius/Single 23.00 mm
Min Bending Radius/Repeated 46.00 mm
Weight 53g/m

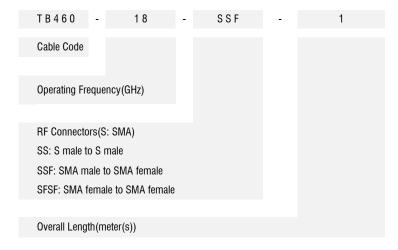
Attenuation & Power

Frequency(GHz)	1	2	3	6	8	10	12.4	16	18
Attenuation(dB/100m)	35.4	50.4	62	88.8	103.2	116	129.9	148.7	158.3
Power Handling(W)	569	400	324	227	195	174	155	135	127

Construction

Inner Conductor	Solid Silver-plated Copper	1.02mm
Dielectric	Low Density PTFE	3.07mm
Inner Shield	Silver-plated Copper Tape	3.27mm
Interlayer Shield	Aluminum Foil	3.43mm
Outer Shield	Silver-plated Copper Braid	4.00mm
Jacket	FFP	4.60mm

Ordering Information



Outline

