# **TB550**

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

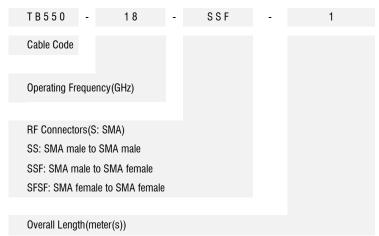
#### **Attenuation & Power**

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

## **Ordering Information**



#### **Outline**

