

# TA150

## Low Loss Phase Stable Cable Assembly DC~40GHz

**TITAN MICROWAVE INC.**



### Features

- Low Loss
- High Phase Stability
- Excellent Performance
- Well Durability
- Suitable for All Kinds of Harsh Environment

### Applications

- Laboratory
- Wireless Communications
- Phased Array Radar
- Avionics

## Specifications

### Electrical

- Operating Frequency DC~40GHz
- Cutoff Frequency 128GHz
- Impedance 50Ω
- Velocity of Propagation 75%
- Screening Effectiveness 90dB min
- PIM -155dBc
- Voltage Rating 400V, DC
- Phase Stability <1000ppm@-55°C~+85°C

### Environmental & Mechanical

- Operating Temperature -55°C~+125°C
- Min Bending Radius/Single 8.00 mm
- Min Bending Radius/Repeated 15.00 mm
- Weight 5.4g/m

### Attenuation@25°C & Power@40°C (sea level)

Frequency(GHz)	1	2	3	6	8	10	12.4	18	26.5	40
Attenuation(dB/100m)	113.7	161.6	198.5	282.9	328	368	411.3	499.3	611.5	760.4
Power Handling(W)	97	68	56	39	34	30	27	22	18	15

### Construction

Inner Conductor	Solid Silver-plated Copper	0.30 mm
Dielectric	Low Density PTFE	0.88 mm
Inner Shield	Silver-plated Copper Tape	1.00 mm
Outer Shield	Silver-plated Copper Braid	1.18 mm
Jacket	PFA	1.50 mm

### Outline



## Ordering Information

TA150	-	40	-	KKF	-	1
Cable Code						
Operating Frequency(GHz)						
RF Connectors(K:2.92mm)						
KK: 2.92mm male to 2.92mm male						
KKF: 2.92mm male to 2.92mm female						
KFKF: 2.92mm female to 2.92mm female						
Overall Length(meter(s))						