

TA400

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 41GHz
- Impedance 50Ω
- Velocity of Propagation 82%
- Screening Effectiveness 90dB min
- PIM -155dBc
- Voltage Rating 1500V, DC
- Phase Stability <750ppm@-55°C~+85°C

Environmental & Mechanical

- Operating Temperature -55°C~+165°C
- Min Bending Radius/Single 20.00 mm
- Min Bending Radius/Repeated 40.00 mm
- Weight 36g/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)	33.5	47.5	58.3	82.8	95.8	107.2	119.7	144.7	176.4	218.1
Power Handling(W)	634	447	365	257	222	198	178	147	120	97

Construction

Inner Conductor	Solid Silver-plated Copper	1.05 mm
Dielectric	Low Density PTFE	2.85 mm
Inner Shield	Silver-plated Copper Tape	3.05 mm
Outer Shield	Silver-plated Copper Braid	3.40 mm
Jacket	FEP	4.00 mm

Outline



Ordering Information

TA400 - 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))