

TA360W

Multi-layer Low Loss Phase Stable Flexible 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 46GHz
- Impedance 50Ω
- Velocity of Propagation 82%
- Screening Effectiveness 90dB min
- PIM -155dBc
- Voltage Rating 500V, DC
- Phase Stability <750ppm@-55°C~+85°C

Environmental & Mechanical

- Operating Temperature -55°C~+165°C
- Min Bending Radius/Single 19.50 mm
- Min Bending Radius/Repeated 39.00 mm
- Weight 35g/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)	37.5	53.4	65.6	93.8	108.9	122.3	136.9	166.7	204.8	255.7
Power Handling(W)	509	358	291	203	175	156	139	115	93	75

Construction

 Inner Conductor	Solid Silver-plated Copper	0.91 mm
 Dielectric	Low Density PTFE	2.50 mm
 Inner Shield	Silver-plated Copper Tape	2.66 mm
 Interlayer Shield	Low Density PTFE	2.95 mm
 Outer Shield	Silver-plated Copper Braid	3.35 mm
 Jacket	Gray PFA	3.90 mm

Outline



Ordering Information

TA360W	-	40	-	KFKF	-	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))						

For other connector options, contact factory