

TT150A

Armored High Precision Phase Stable Test Cable Assembly DC~110GHz

TITAN MICROWAVE INC.



Features

- Low Loss
- Low VSWR
- Phase Stable
- Armored
- Operating Frequency Range DC~110GHz

Applications

- Research & Development Labs
- Bench VNA's and Analyzers
- High Volume Protection Test
- RF Module Testing

Specifications

Electrical

- Operating Frequency DC~110GHz
- Cutoff Frequency 128GHz
- Impedance 50Ω
- Velocity of Propagation 75%
- Screening Effectiveness 90dB min
- Voltage Rating 400V, DC
- Phase Stability typ. ±10°
- Amplitude Stability typ. ±0.1dB
- VSWR ≤1.5@110GHz
- Flex Life 50000

Environmental & Mechanical

- Operating Temperature -55°C ~ +125°C
- Min Bending Radius/Single 19.5 mm
- Min Bending Radius/Repeated 39.00 mm
- Weight 330g/m

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

Frequency(GHz)	1	2	3	6	8	18	26.5	40	67	75	110
Attenuation(dB/100m)	113.7	161.6	198.5	282.9	328	499.3	611.5	760.4	1002.7	1065.9	1314.3
Power Handling(W)	39	27	22	16	14	9	7	6	4	4	3

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
Interlayer Shield	Low Density PTFE	1.25 mm
Outer Shield	Silver-plated Copper Braid	1.50 mm
Inner Jacket	FEP	1.85 mm
Crush Protection Layer	Silver-plated Copper Braid	2.70 mm
Braided Outer Jacket	PTFE	3.90 mm

Outline



Ordering Information

TT150A	-	110	-	11F	-	1
Cable Code						
Operating Frequency(GHz)						
RF Connectors(1:1.0mm)						
11: 1.0mm male to 1.0mm male						
11F: 1.0mm male to 1.0mm female						
1F1F: 1.0mm female to 1.0mm female						
Overall Length(meter(s))						

For other connector options, contact factory.