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℃~+125℃ 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

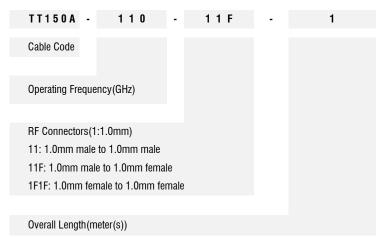
Construction

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



For other connector options, contact factory.