

The LT-DC-1.0-110GHz is a 1.0mm coaxial DC block that prevents the flow of DC current in the frequency range of 30KHz to 110GHz. The DC block has a typical insertion loss of 2dB, a typical return loss of -12dB. It is manufactured with 1.0mm female connectors for convenient circuit insertion. The breakdown voltage is +25 Volts..

**Features:**

- Operating Frequency 30KHz to 110GHz
- High Return Loss
- Low Cost

**Applications:**

- laboratory test
- Instrumentations
- System Integration

**Electrical Characteristics:**

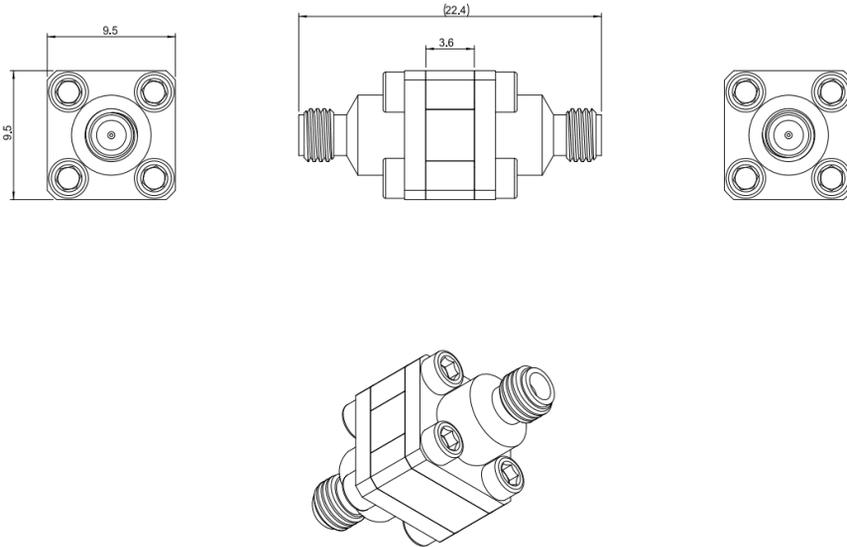
Parameter	Min	Typ	Max	Units
Frequency Range	30KHz-110GHz			
Return Loss		-12		dB
Insertion Loss		2	2.5	dB
Breakdown Voltage		25		V
Group Delay		80		ps
Impedance		50		Ohms

**Envrionmental And Physical Characteristics:**

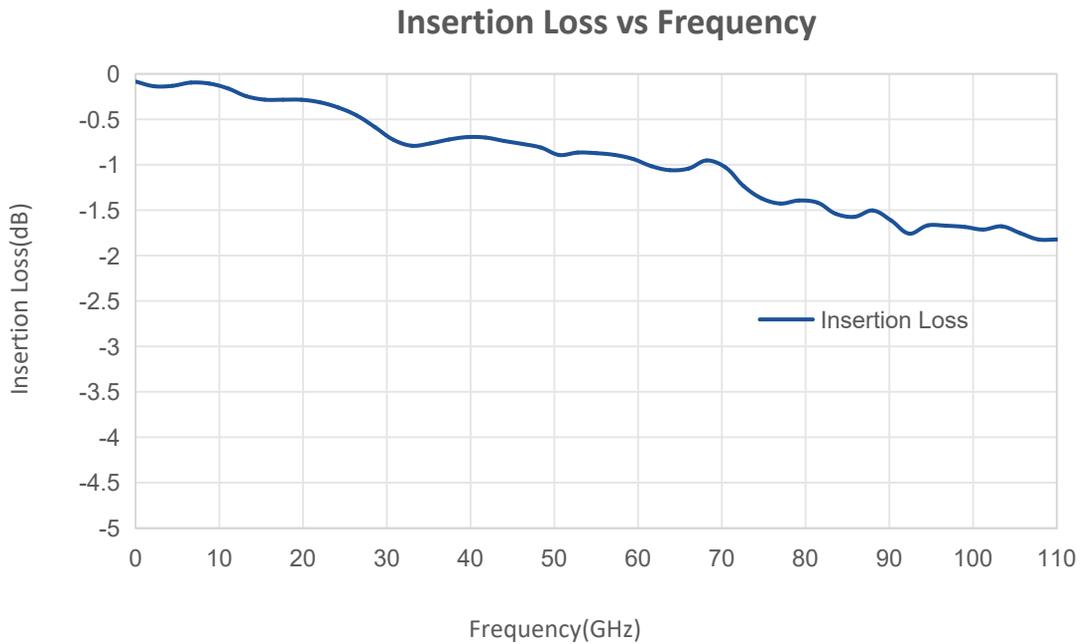
Description	Parameter	Units
Body Material	Copper	
Finish	Gold plated	
Inner Conductor	Becu,Golden	
Connectors	1.0mm Female	
Length	22.4*9.5*9.5	mm
Working Temperature	-40° to +70° C, operating	

## Outline Drawing:

Unit:mm



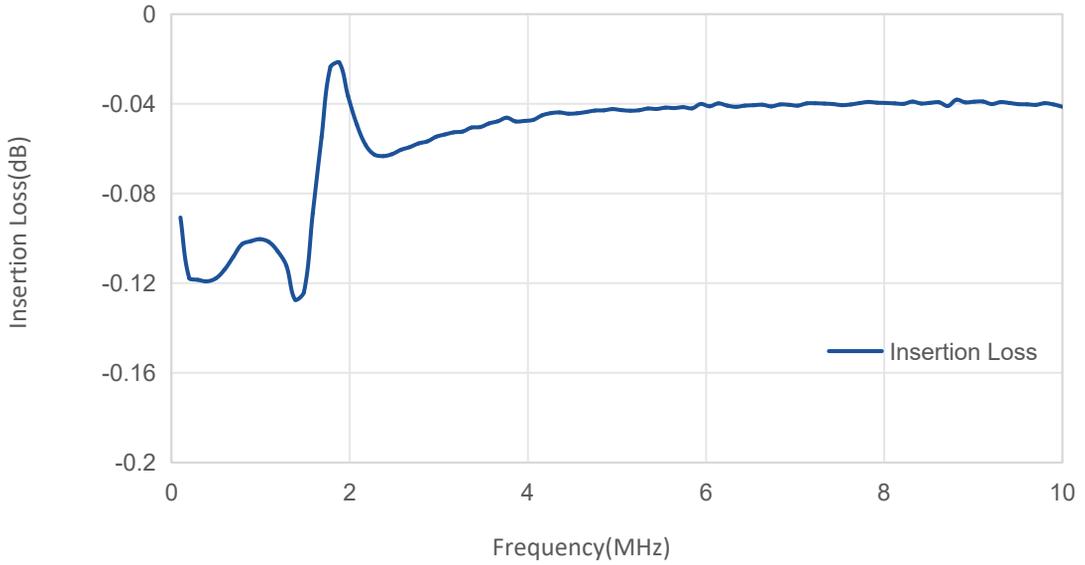
## Typical Performance Data:



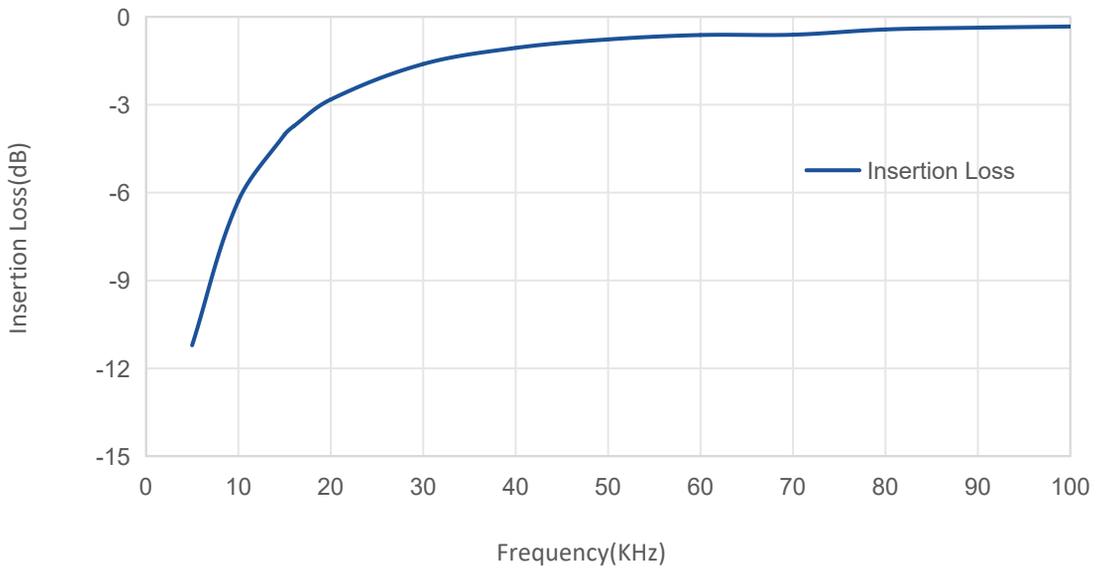
Note: Above data is for ref only, actual data may vary from unit to unit depending on operating environment and other factors like material lots etc.

### Typical Performance Data:

#### Insertion Loss vs Frequency



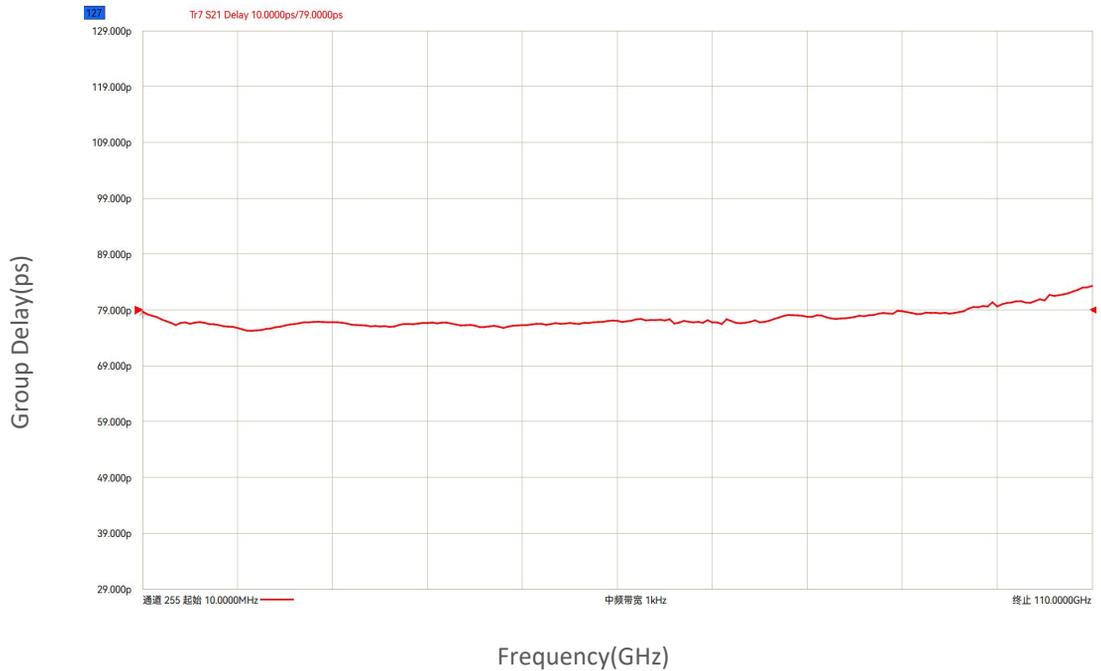
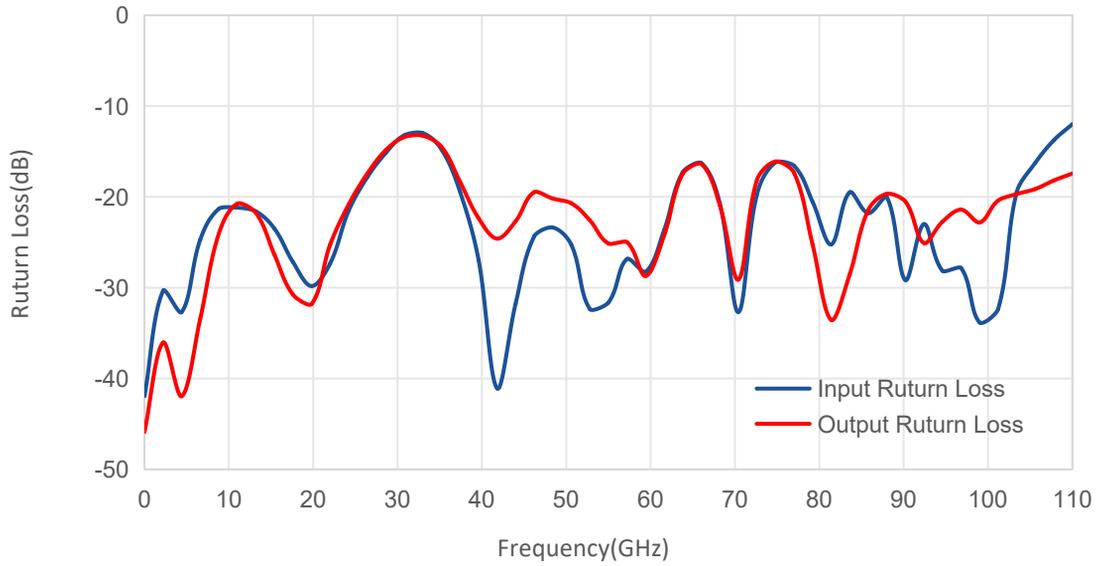
#### Insertion Loss vs Frequency



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### Typical Performance Data:

#### Return Loss vs Frequency



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