

WithWave’s precision 1.0 mm 110GHz DC-BLOCK is designed based on precision microwave interconnection technologies for 5 & 6G application. These precision microwave connector interfaces ensure excellent performance up to 110 GHz.



■ Features

- Frequency Range : 16kHz to 110GHz
- 1.0mm type (Male to Female)
- VSWR(Max) : 1.40 : 1
- Insertion Loss (Max) : 2.0 dB

■ Application

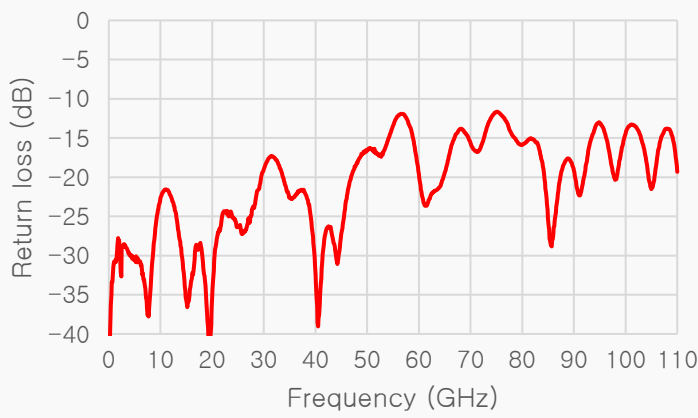
- Satellite Communication
- Radio Astronomy
- Test and Measurement
- Instrumentations

■ Specification

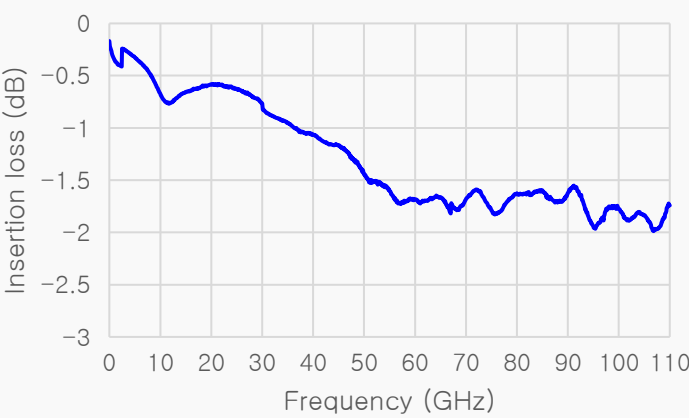
Scope	Items	DC00-01
Electrical	Frequency range	16 kHz ~ 110 GHz
	Return loss	< -9.5dB
	Insertion loss	> -2.0dB
	Max DC Voltage	Max 16V
Mechanical & Environmental	Coax Type	1.0 mm connector
	Dimensions	29.85(L) * 10(W) * 17.46(H) mm
	Operating temperature	-40 °C ~ 85 °C
Material	Center Contact	Beryllium copper with gold plated
	Housing	Stainless steel

■ Test Results of 1.0mm DC Block

Return loss

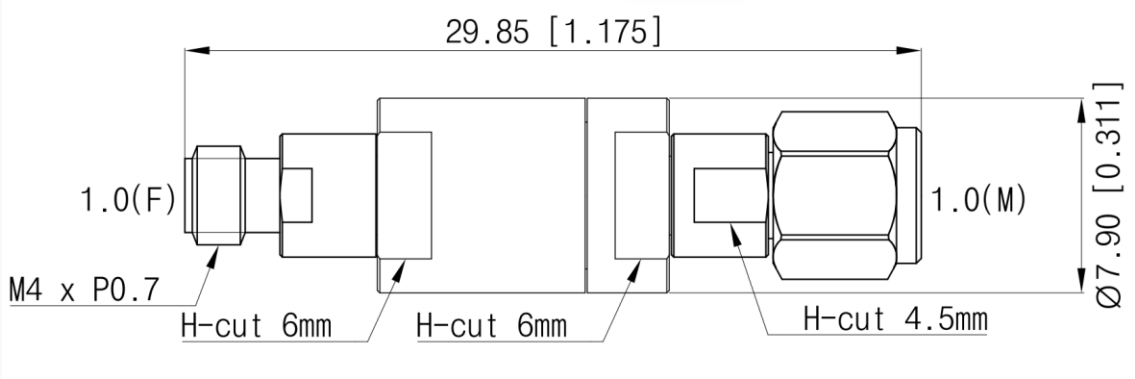


Insertion loss



■ Dimensions

Unit: mm



■ Revision History

Revision	Date	Changes
Ver 1.0	2026-06-01	1.0mm Type DC Block