

Broadband DC Blocks (50kHz to 110 & 145 GHz)



Broadband DC BLOCKs (110 & 145 GHz)

Withwave's **Broadband 110 & 145 GHz DC BLOCKs** are designed based on precision microwave interconnection technologies for 5 & 6G application. These precision microwave connector interfaces ensure excellent performance **up to 110 and 145 GHz**.

145GHz DC Block (50 kHz to 145 GHz)

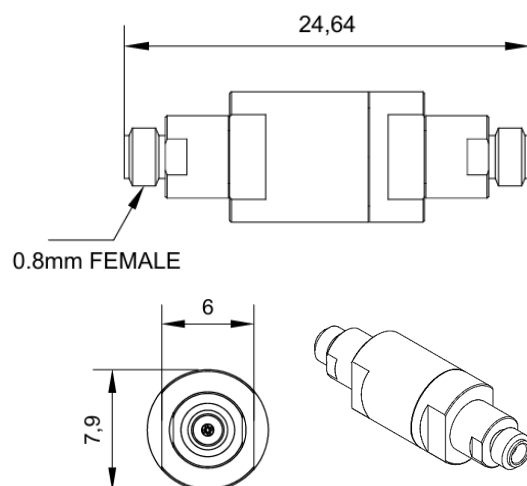
• Specifications

Description	Min	Typ	Max	Units
Frequency Range	50kHz		145	GHz
Impedance		50		Ohms
VSWR		1.4:1		
Insertion Loss			4.0	dB
Operation Voltage (DC)			16	Volts
Group Delay		94		ps
Capacitance		10,000		pF
Input Power (CW)			1	Watt
Operating Range	-55		105	deg C

• Performance by Frequency

Description	F1	F2	F3	F4	F5	Units
Frequency Range	0.001 ~ 26	26 ~ 65	65 ~ 110	110 ~ 145		GHz
VSWR, Max	1.4 : 1	1.8 : 1	2.0 : 1	2.3 : 1		

0.8 mm(Female) Type



110 GHz DC Block (50 kHz to 110 GHz)

• Specifications

Description	Min	Typ	Max	Units
Frequency Range	50kHz		110	GHz
Impedance		50		Ohms
VSWR		1.4:1		
Insertion Loss			3.0	dB
Operation Voltage (DC)			16	Volts
Group Delay		94		ps
Capacitance		10,000		pF
Input Power (CW)			1	Watt
Operating Range	-55		105	deg C

• Performance by Frequency

Description	F1	F2	F3	F4	F5	Units
Frequency Range	0.001 ~ 26	26 ~ 65	65 ~ 110			GHz
VSWR, Max	1.4 : 1	1.8 : 1	2.0 : 1			

1.0 mm(Female) Type

