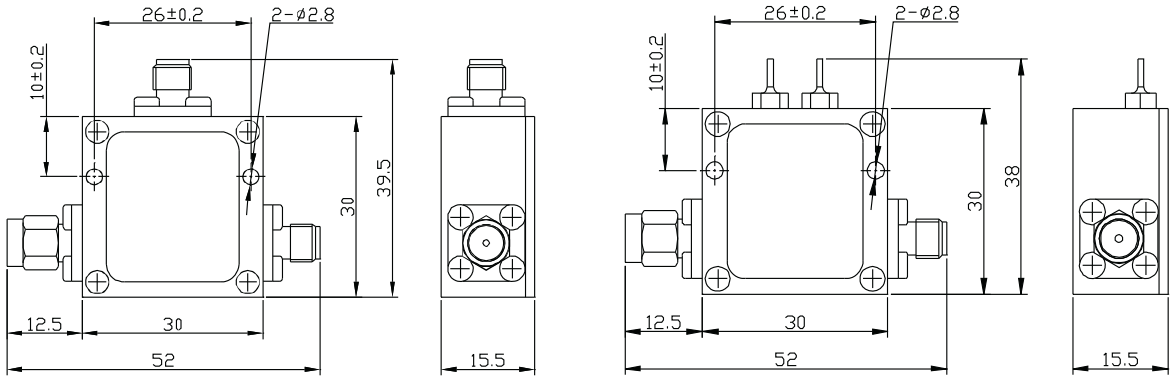
Bias Tee

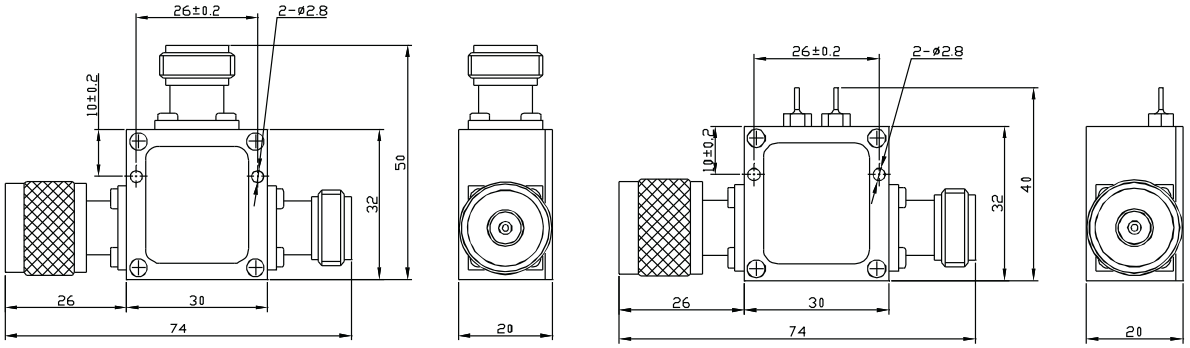
Frequency: **DC ~ 4.2 Ghz** | *P/N:* **IBT..... Series**

Impedance : 50 Ω

Operating Temp : -10°C ~ 50°C

Ordering Code	RF Power (W)	Frequency Range(GHz)	VSWR	Insertion Loss(dB)	Interface	Figure
IBT-3-S	⩽5	0.01-3	⩽1.20	⩽1.0	RF IN SMA(J) RF+DC OUT SMA(K) DC IN SMA(K)	1
IBT-4.2-S		0.01-4.2	⩽1.25	⩽1.25		
IBT-3-SC		0.01-3	⩽1.20	⩽1.0	RF IN SMA(J) RF+DC OUT SMA(K) DC IN (Capacitance)	2
IBT-4.2-SC		0.01-4.2	⩽1.25	⩽1.25		
IBT-3-N	⩽5	0.01-3	⩽1.20	⩽1.0	RF IN N(J) RF+DC OUT N(K) DC IN N(K)	3
IBT-4.2-N		0.01-4.2	⩽1.25	⩽1.25		
IBT-3-NC		0.01-3	⩽1.20	⩽1.0	RF IN N(J) RF+DC OUT N(K) DC IN (Capacitance)	4
IBT-4.2-NC		0.01-4.2	⩽1.25	⩽1.25		





DC Blocks

Frequency: **DC ~ 40 GHz** | *P/N:* **DCB... Series**

Impedance : 50 Ω

Operating Temp : -55°C ~ 100°C

Ordering Code	Frequency Range (GHz)	Insertion Loss(dB)	VSWR	DC Voltage (V)	Connector	Weight (g)	Fig
DCB-SMA-100	0.13-8 8-18 18-26.5	≤0.2 ≤0.5 ≤0.6	<1.20 <1.35 <1.50	100	SMA(M)-SMA(F)	10	1
DCB-2.92	0.1-18 18-32 32-40	≤0.5 ≤0.75 ≤1.25	<1.30 <1.40 <1.45	50	2.92(M)-2.92(F)	15	2
DCB-N	0.1-4 4-8 8-12.4 12.4-18	≤0.2 ≤0.3 ≤0.5 ≤0.8	<1.20 <1.30 <1.40 <1.45	250	N(M)-N(F)	65	3

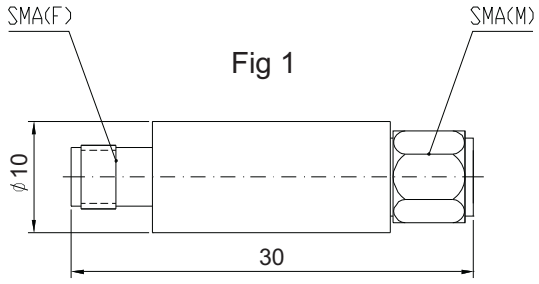


Fig 1

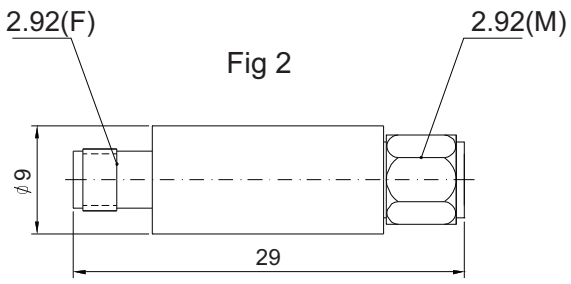


Fig 2

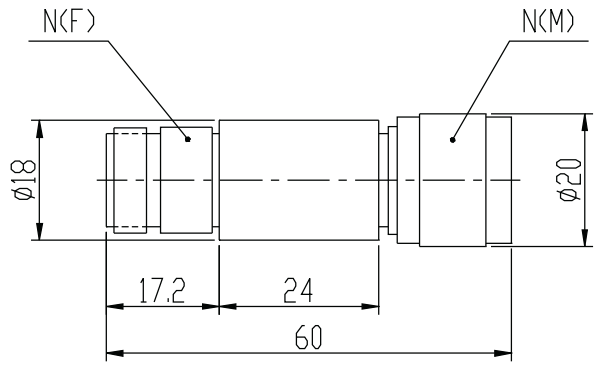
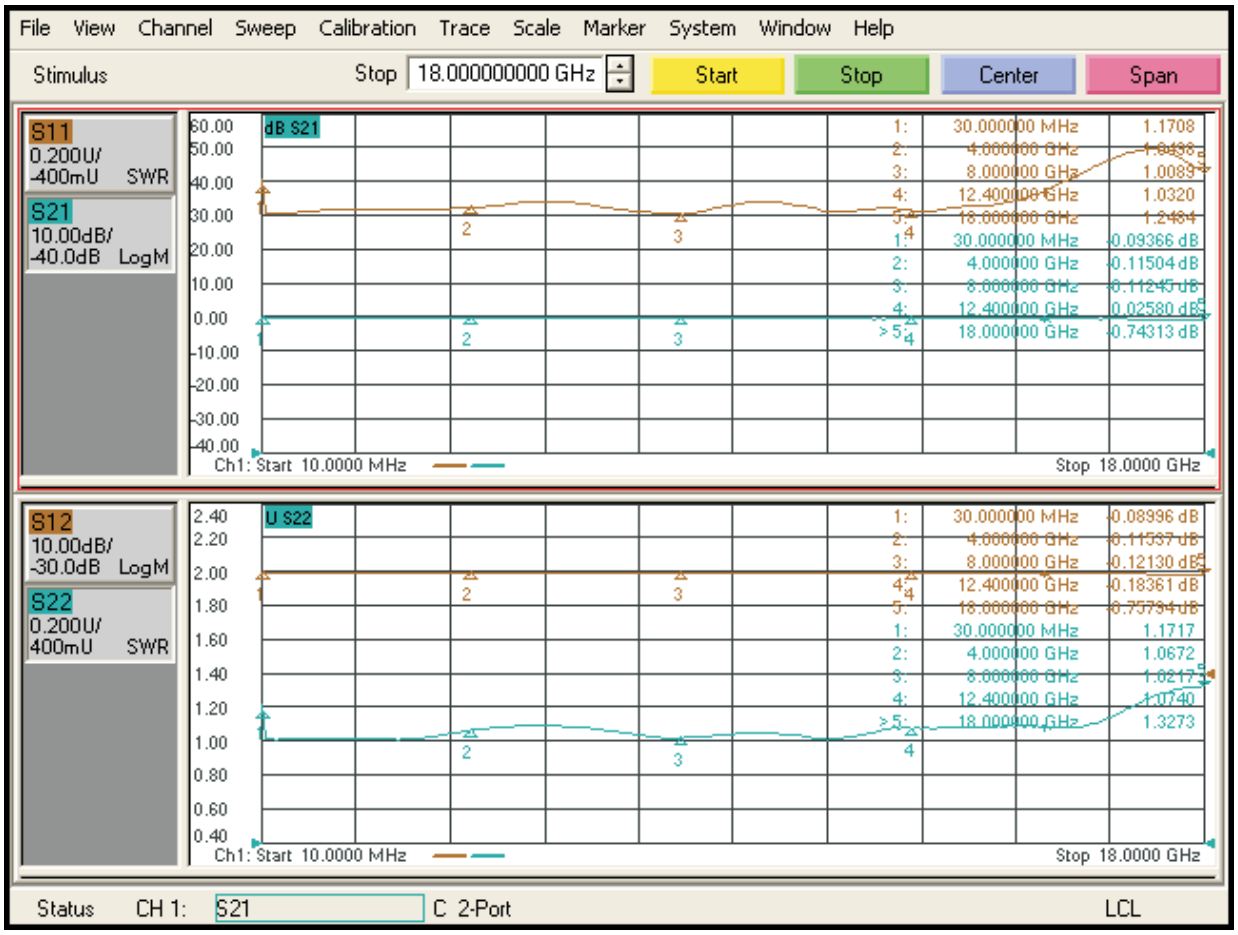


Fig 3

DC Blocks

Frequency: **DC ~ 40 GHz** | *P/N:* **DCB... Series**

VNA Plot for DCB-N DC Block (N Type, 0.1~18GHz)



DC Blocks

Frequency: **DC ~ 6 Ghz** | *P/N:* **DCB...-BL Series**

Impedance : 50 Ω

Operating Temp : -55°C ~ 100°C

Ordering Code	Frequency Range (GHz)	Insertion Loss(dB)	VSWR	DC Voltage (V)	Connector Type	Weight (g)	Fig
DCB-SMA-BL	0.01-2	≤0.2	<1.20	72	SMA(M)-SMA(F)	25	1
	2-4	≤0.3	<1.30				
	4-6	≤0.5	<1.40				
DCB-N-BL	0.01-2	≤0.2	<1.20	72	N(M)-N(F)	65	2
	2-4	≤0.3	<1.30				
	4-6	≤0.5	<1.40				

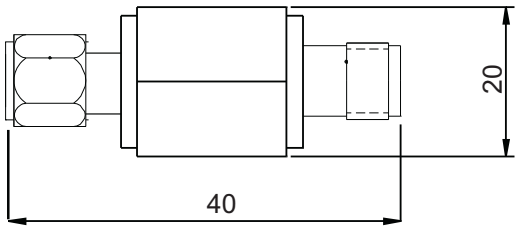


Fig 1

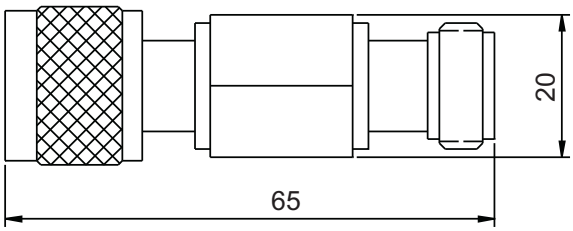


Fig 2

Impedence Converters

Frequency: **DC ~ 3 Ghz** | *P/N:* **IMC..... Series**

Impedance : 50 Ω

Operating Temp : -10°C ~ 50°C

Ordering Code	Frequency Range(GHz)	Insertion Loss(dB)	VSWR	Power (W)	Figure	Typical Flatness(dB)	Connector Type
IMC-2-N	DC-1.3	5.7	1.06	2	1	< 0.10	N(M)-N(F)
IMC5-N	DC-1.3	5.7	1.06	5	1	< 0.10	
IMC50-N	DC-1.3	5.7	1.20	50	2	< 0.10	
IMC2-N	DC-3	5.7	1.15	2	1	< 0.15	
IMC5-N	DC-3	5.7	1.15	5	1	< 0.15	
IMC50-N	DC-3	5.7	1.25	50	2	< 0.15	
IMC-2-BNC	DC-1.3	5.7	1.06	2	1	< 0.10	BNC(M)-BNC(F)
IMC5-BNC	DC-1.3	5.7	1.06	5	1	< 0.10	
IMC50-BNC	DC-1.3	5.7	1.20	50	2	< 0.10	
IMC2-BNC	DC-3	5.7	1.15	2	1	< 0.15	
IMC5-BNC	DC-3	5.7	1.15	5	1	< 0.15	
IMC50-BNC	DC-3	5.7	1.25	50	2	< 0.15	

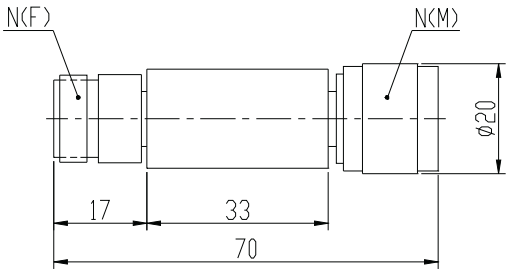


Fig 1

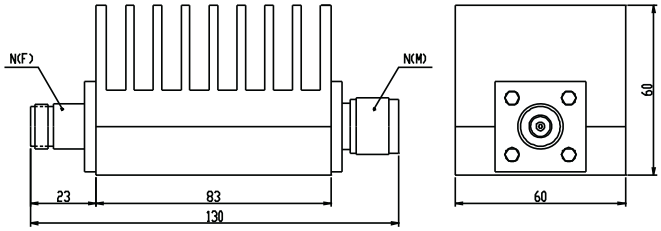


Fig 2

Power Dividers - 2-way

Frequency: **DC ~ 18 Ghz** | *P/N:* **IPD...-18.. Series**

Impedance : 50 Ω

Operating Temp : -55°C ~ 100°C

Ordering Code	Average Power (W)	Frequency Range (GHz)	Max VSWR	Ins. Loss (dB)	Max Amplitude Balance (between J2 & J3) dB	Connector Type	Fig.
IPD-GF2-2-18-FFF	1	DC-4 4-10 10-18	≤1.25 ≤1.25 ≤1.35	5.8-6 5.6-6 5.8-7.2	0.2 0.4 0.4	SMA (F,F,F)	1
IPD-GF2-2-18-MFF	1	DC-4 4-10 10-18	≤1.25 ≤1.25 ≤1.35	5.8-6 5.6-6 5.8-7.2	0.2 0.4 0.4	SMA (M,F,F)	1
IPD-GF2-2-18N-MFF	1	DC-4 4-10 10-18	≤1.25 ≤1.25 ≤1.35	5.8-6 5.6-6 5.8-7.5	0.2 0.4 0.4	N(M,F,F)	2

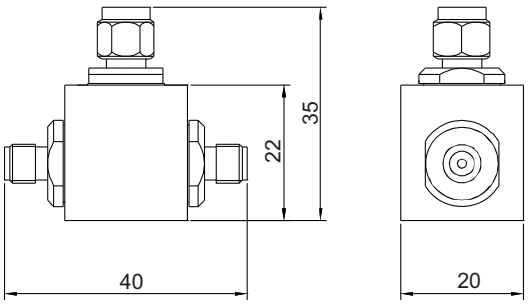


Fig 1

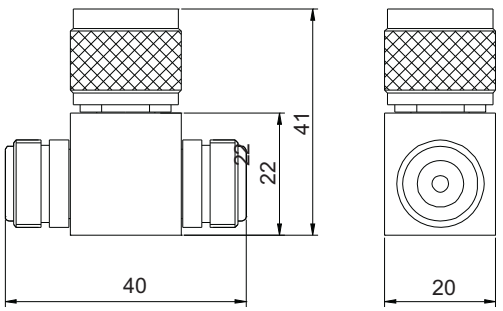
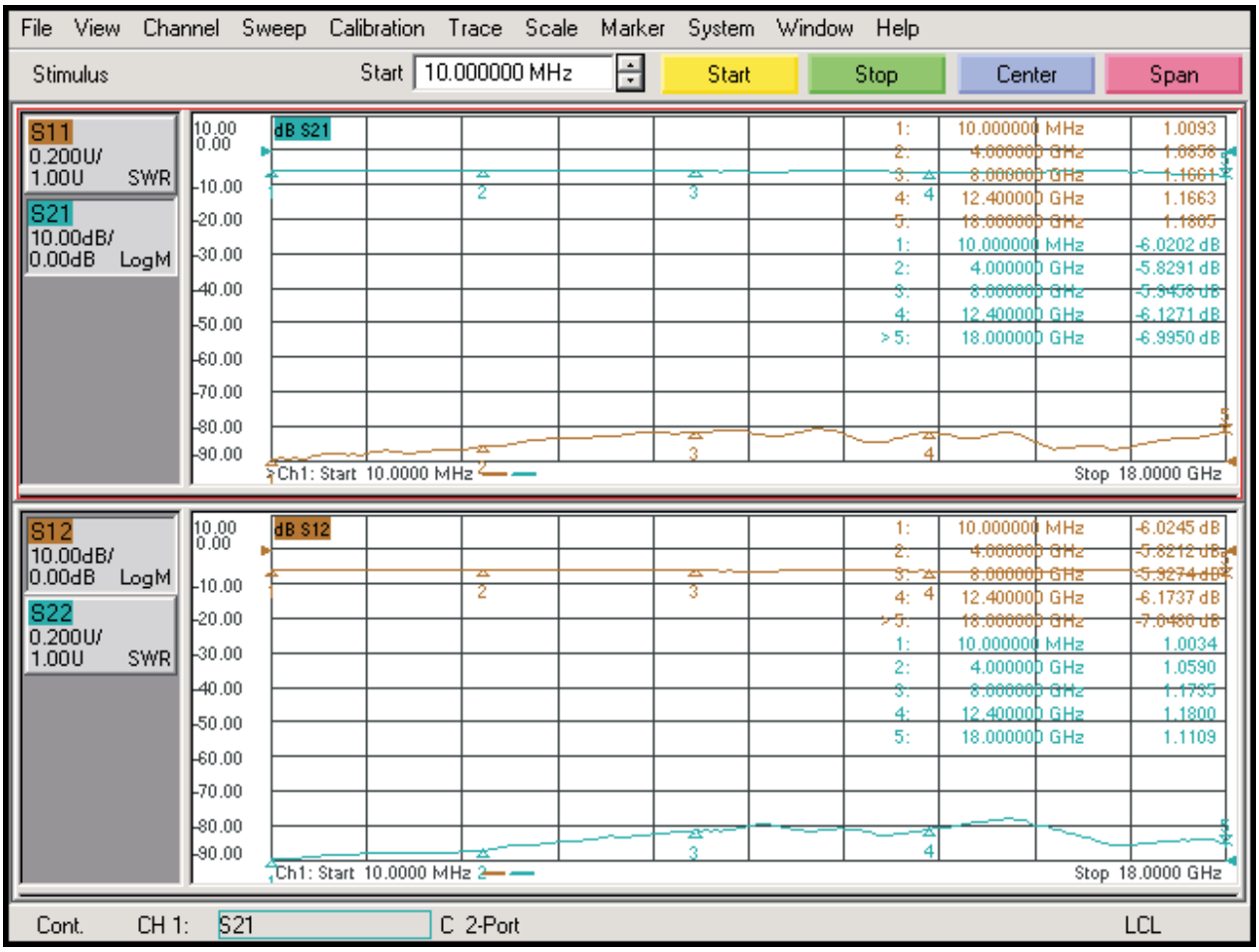


Fig 2

Power Dividers - 2-way

Frequency: **DC ~ 18 Ghz** | *P/N:* **IPD...-18.. Series**

VNA Plot for IPD-GF2-2-18-FFF Power Divider (2-Way, 18 Ghz)



Power Dividers - 2-way

Frequency: **DC ~ 2.5 Ghz** | *P/N:* **IPD-GF2.. Series**

Impedance : 50 Ω

Operating Temp : -10°C ~ 50°C

Ordering Code	Average Power (W)	Frequency Range (GHz)	Max VSWR	Ins. Loss (dB)	Connector Type	Fig.
IPD-GF2-2-FFF	2	DC-2.5	⩽1.30	6±0.75	SMA (F,F,F)	1
IPD-GF2-5-FFF	5	DC-1.5	⩽1.25	6±0.5	SMA (F,F,F)	1
IPD-GF2-10-FFF	10	DC-1	⩽1.20	6±0.5	SMA (F,F,F)	2

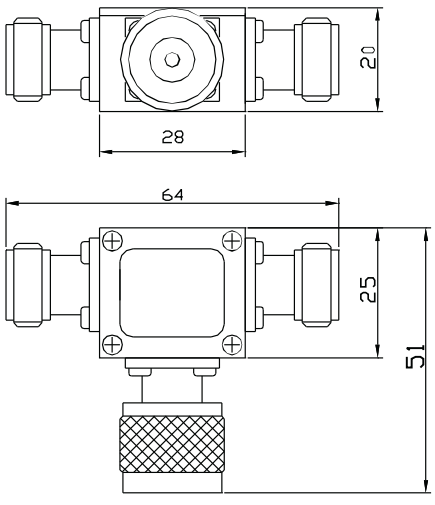


Fig 1

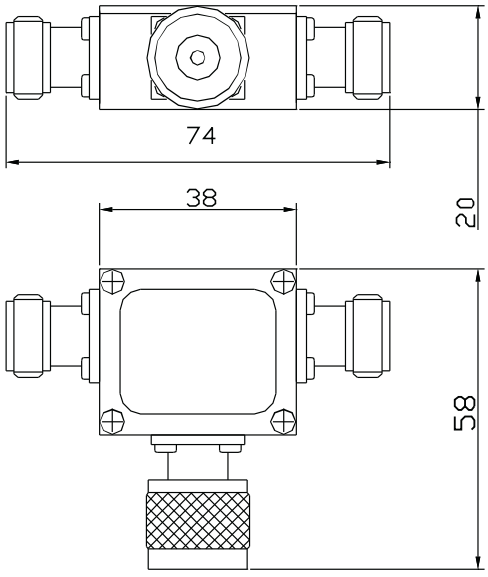


Fig 2

Power Dividers - 3, 4, and 5-way

Frequency: **DC ~ 2 Ghz** | *P/N:* **IPD-GF?.... Series**

Impedance : 50 Ω

Operating Temp : -10°C ~ 50°C

Ordering Code	Average Power (W)	Frequency Range (GHz)	Max VSWR	Ins. Loss (dB)	Connector Type	Fig.
IPD-GF3-2-SMA(FFF)	2	DC-1 1-2	≤1.2 ≤1.3	9.5 ± 0.5 9.5 ± 1.5	SMA (F,F,F)	1
IPD-GF4-2-SMA(FFF)	2	DC-1 1-2	≤1.2 ≤1.3	12 ± 0.5 12 ± 1.5	SMA (M,F,F)	1
IPD-GF5-2-SMA(FFF)	2	DC-1 1-2	≤1.2 ≤1.3	14 ± 0.5 14 ± 1.5	SMA (F,F,F)	2
IPD-GF3-2-N(FFF)	2	DC-1 1-2	≤1.2 ≤1.3	9.5 ± 0.5 9.5 ± 1.5	N (F,F,F)	1
IPD-GF4-2-N(FFF)	2	DC-1 1-2	≤1.2 ≤1.3	12 ± 0.5 12 ± 1.5	N (F,F,F)	1
IPD-GF5-2-N(FFF)	2	DC-1 1-2	≤1.2 ≤1.3	14 ± 0.5 14 ± 1.5	N (F,F,F)	2

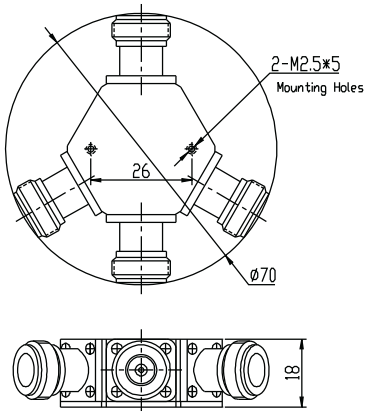


Fig 1

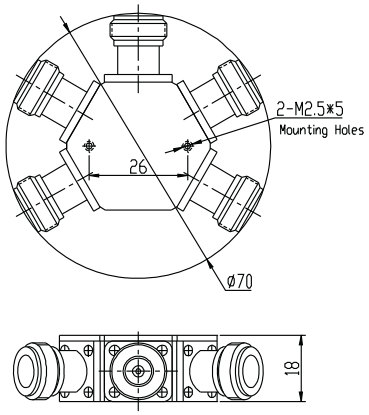


Fig 2

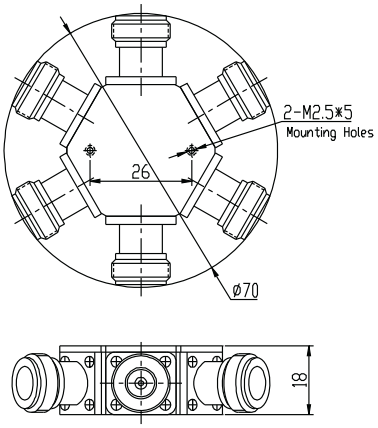


Fig 3