

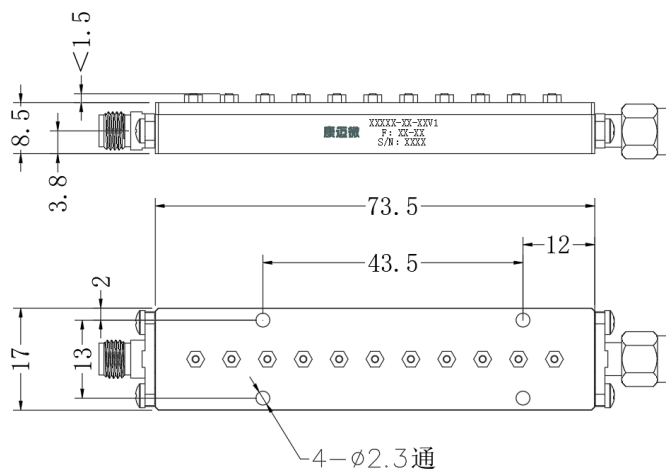
Main specifications

Parameters	Frequency	/	Min	Typical	Max	Units
Passband	/	/	18.3	~	19.5	GHz
Passband IL	/	/			1	dB
Ripple	/	/			0.3	dB
Rejection	DC-16.85	GHz $\geq$	100			dB
Rejection	16.85-17.35	GHz $\geq$	90			dB
Rejection	17.35-17.8	GHz $\geq$	30			dB
Rejection	20-21.8	GHz $\geq$	30			dB
Rejection	21.8-30	GHz $\geq$	60			dB
Passband VSWR	/	/			1.4	

Reference picture



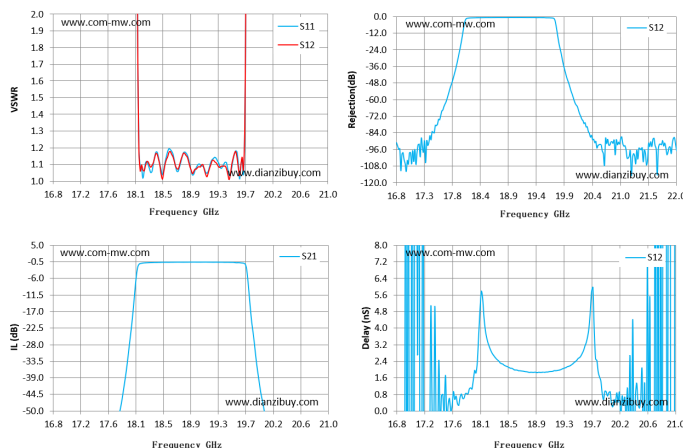
Configuration(mm)



Other parameters

Connector	2.92-MF
Connector material	Stainless steel
Impedance	50Ω
Surface	silver-plate
Power Capacity	10W Design assurance
Product shell material	Aluminium
Delay ripple	≤ 1 ns
Operation Temp.	-40~+70°C Design assurance
Ripple	≤ 0.1 dB@ Arbitrarily 40MHz
Delay ripple	≤ 0.4 ns@ Arbitrarily 80MHz

Typical test curve



Note: The specifications and performance data contained in this data sheet are based on tests established by CMW.

Typical test data

Frequency GHz	S11 VSW R	S12 VSW R	S21 IL dB	S12 Delay (ns)
16.8	19.4	20.3	-90.9 7	-17.7
17.1	18.9	21.43	-106. 2	20.74
17.4	19.92	22.64	-92.9 2	-1.02
17.7	23.72	23.28	-64.8 6	0.72
18	19.05	18.09	-22.9	1.85
18.3	1.05	1.08	-0.8	2.54
18.6	1.19	1.18	-0.68	1.98
18.9	1.09	1.09	-0.63	1.87
19.2	1.09	1.08	-0.65	1.95
19.5	1.04	1.01	-0.7	2.39
19.8	9.14	9.97	-10.8 7	2.53
20.1	25.15	19.38	-58.3	0.44
20.4	27.35	21.89	-84.2 6	0.65
20.7	24.64	23.21	-87.8 4	18.28
21	21.1	21.07	-86.9 5	23.16

Note

1	Clean the surface of the product, do not soak the product in cleaning solution for cleaning.
2	If the temperature is higher than 125°C, consult with us before ordering.
3	Solder sealing of cover plate and base.