

Main specifications

Parameters	Frequency	/	Min	Typical	Max	Units
Passband	/	/	47.2	~	49.2	GHz
Passband IL	/	/			1.5	dB
Ripple	/	/			0.8	dB
Rejection	DC-44.5	GHz $\geq$	60			dBc
Rejection	51-58	GHz $\geq$	30			dB
Passband VSWR	/	/			1.5	

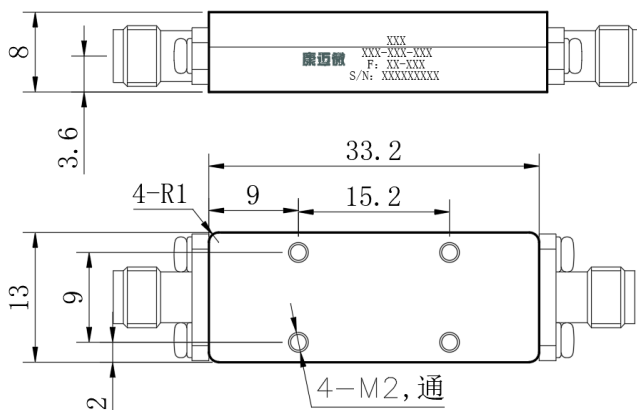
Other parameters

Connector	2.4-F detachable Pin 0.3mm
Connector material	Stainless steel
Impedance	50 Ω
Surface	silver-plate
Power Capacity	10W Design assurance
Product shell material	Aluminium
Delay ripple	$\leq$ 1ns
Operation Temp.	-40~+70°C Design assurance

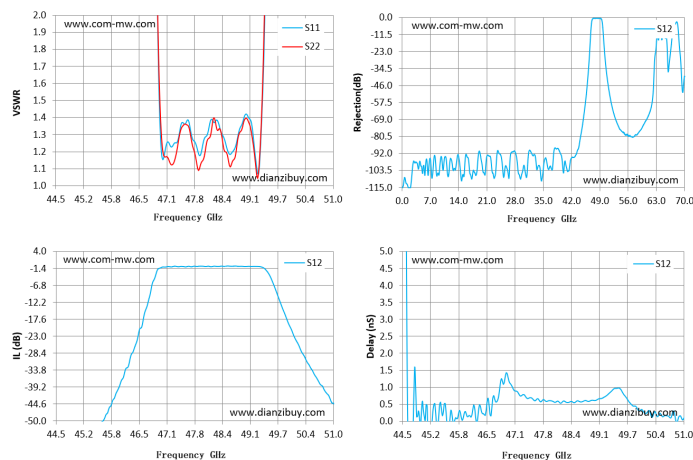
Reference picture



Configuration(mm)



Typical test curve



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 /

Typical test data

Frequency GHz	S11 VSW R	S22 VSW R	S12 IL (dB)	S12 Delay (ns)
44.50	55.65	49.13	-69.7 2	11.27
44.96	55.29	62.29	-69.4 5	0.59
45.43	80.41	66.51	-54.5 5	0.16
45.89	134.5 3	41.53	-42.0 6	0.03
46.36	68.09	31.01	-26.3 1	0.22
46.82	4.12	4.07	-4.60	1.18
47.29	1.25	1.14	-0.69	0.77
47.75	1.26	1.21	-0.68	0.61
48.21	1.37	1.40	-0.69	0.57
48.68	1.21	1.16	-0.66	0.59
49.14	1.31	1.25	-0.75	0.68
49.61	8.35	7.25	-6.82	0.80
50.07	35.82	19.45	-22.7 7	0.28
50.54	48.26	26.12	-34.6 1	0.13
51.00	60.74	39.20	-44.3 0	0.06

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