

Product features

Narrow band, low loss

Main specifications

Parameters	Frequency	/	Min	Typical	Max	Units
Center Frequency	/	/		75.8		MHz
-3dB BW	/	/	80			KHz
Passband IL	/	/			5	dB
Ripple	/	/			1	dB
Rejection	$F_0 \pm 12.5$	KHz $\geq$	50			dB
Rejection	$F_0 \pm 20.0$	KHz $\geq$	70			dB
Rejection	$F_0 \pm 1$	MHz $\geq$	75			dB

Other parameters

Connector	Pin
Impedance	50Ω
Power Capacity	10dBm Design assurance
Delay ripple	<15us@80KHz BW
Operation Temp.	-55~+85°C Design assurance
Storage Temp.	-55~+85°C Design assurance
Quality Grade	Industrial grade

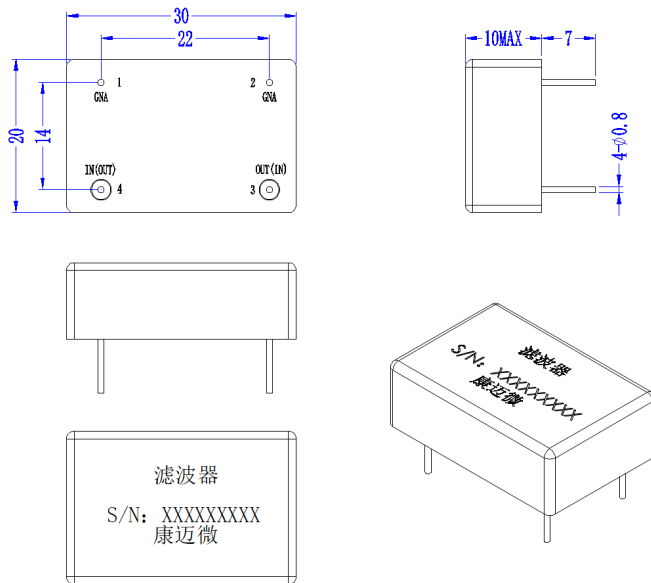
Port Definition

I/O Port	3, 4
GND	1, 2

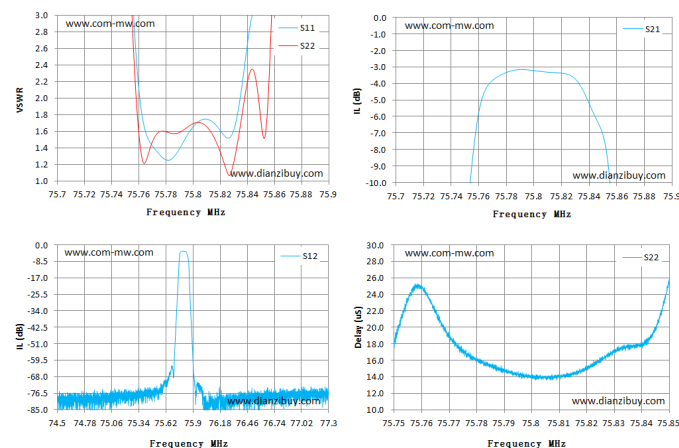
Reference picture



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.

Typical test data

Frequency MHz	S11 VSWR	IL d B	IL d B	S22 VSWR	Delay us
75.60	19.94	-72.71	-72.87	22.29	/
75.70	16.34	-76.28	-74.15	20.67	-79.10
75.75	5.09	-13.68	-13.67	5.34	18.20
75.76	2.09	-5.76	-5.75	1.55	24.54
75.77	1.42	-3.81	-3.80	1.48	18.75
75.78	1.25	-3.33	-3.32	1.59	16.14
75.79	1.39	-3.15	-3.15	1.59	14.68
75.80	1.65	-3.22	-3.21	1.69	13.98
75.81	1.74	-3.31	-3.31	1.65	13.89
75.82	1.61	-3.37	-3.37	1.35	15.16
75.83	1.62	-3.74	-3.73	1.23	16.92
75.84	2.65	-5.23	-5.21	2.19	17.98
75.85	3.17	-7.14	-7.13	1.73	24.84
75.90	20.89	-59.07	-59.46	14.80	-11.53
76.00	22.37	-77.34	-83.71	18.14	/

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