Main specifications

Parameters	Frequency	/	Min	Typical	Max	Units
Passband F1	/	/	DC	~	10.45	GHz
Passband F2	/	/	11.55	~	40	GHz
band 1 IL	/	/			1.5	dB
band 2 IL	/	/			1.5	dB
Passband VSWR	/	/			2	
Band 1 Rejection	12.8-40	GHz≥	60			dB
band 2 Rejection	DC-9	GHz≥	60			dB

Other parameters

Connector	2.92-F Detachable, Pin 0.38mm
Connector material	Stainless steel
Impedance	50Ω
Surface	silver-plate
Power Capacity	5W Design assurance
Product shell material	Aluminium
Operation Temp.	-40~+70°C Design assurance
Other	Intersection frequency 11G ± 2% Intersection insertion loss ⩽ 6dB

Functional diagram

Port Definition

1	Common port	---
2	Passband 1	---
3	Passband 2	---
4	GND Port	---

Configuration(mm)

Typical test curve

Note

1	Clean the surface of the product, do not soak the product in cleaning solution for cleaning.
1	If the temperature is higher than 125°C, consult with us before ordering.

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

Typical test data

Frequency GHz	S11 VSWR	S22 VSWR	S33 VSWR	S12 IL (dB)	S13 IL (dB)	S12 Rejection	S13 Rej. dB	S12 Delay (ns)	S13 delay ns
0.03	1.02	1.01	1.02	-81.06	-0.03	-81.06	-0.03	0.19	-8.14
2.89	1.28	1.28	1.30	-87.81	-0.33	-87.81	-0.33	0.18	0.27
5.74	1.37	1.33	1.31	-87.25	-0.50	-87.25	-0.50	0.20	0.39
8.60	1.90	1.83	1.87	-80.00	-0.99	-80.00	-0.99	0.26	-0.22
11.45	1.72	21.92	1.67	-1.33	-25.50	-1.33	-25.50	0.24	0.54
14.31	1.38	25.10	1.39	-0.55	-78.47	-0.55	-78.47	1.35	0.17

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

Frequency GHz	S11 VSWR	S22 VSWR	S33 VSWR	S12 IL (dB)	S13 IL (dB)	S12 Rejection	S13 Rej. dB	S12 Delay (ns)	S13 delay ns
17.16	1.57	86.39	1.69	-0.62	-105.45	-0.62	-105.45	-5.66	0.11
20.02	1.63	30.16	1.61	-0.67	-85.20	-0.67	-85.20	-21.01	0.10
22.87	1.59	50.66	1.57	-0.94	-94.25	-0.94	-94.25	0.37	0.08
25.73	1.35	35.38	1.29	-0.56	-81.38	-0.56	-81.38	-0.87	0.08
28.58	1.53	34.52	1.34	-0.48	-77.40	-0.48	-77.40	13.36	0.08
31.44	1.63	38.93	1.37	-0.65	-76.88	-0.65	-76.88	10.05	0.07

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

Frequency GHz	S11VSWR	S22VSWR	S33VSWR	S12IL(dB)	S13IL(dB)	S12Rejection	S13Rej.dB	S12Delay(ns)	S13delayns
34.29	1.46	23.62	1.15	-0.61	-78.15	-0.61	-78.15	-17.02	0.07
37.15	1.53	20.47	1.08	-0.53	-76.93	-0.53	-76.93	-1.74	0.08
40.00	1.34	35.26	1.30	-0.99	-72.58	-0.99	-72.58	3.67	0.12

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