

Diplexer

WGDP-704/2400-1608

704-1610MHz /2400-5950MHz

Ver. A
2025.06.18

Maximum Rating

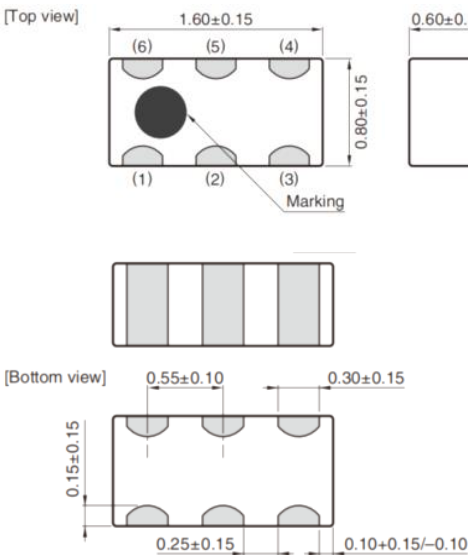
Operating Temperature	-40°C~+85°C
Storage Temperature	-40°C~+85°C
RF Input Power	2W max at 25°C

Pin Connections

Low Band Port	4
High Band Port	6
Common Port	2
Ground	1,3,5

Dimension & Layout

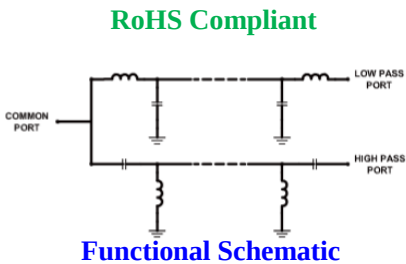
Max Length--L(mm).	1.60±0.15.
Max Width--W(mm).	0.80±0.15.
Max Height--H(mm).	0.60±0.05.



Pad Dimension: 0.3*0.15mm

Features

- High Performance
- 704-1610MHz /2400-5950MHz Whole work band
- New circuit topology for excellent return loss and low insertion loss
- High balance performance on LTCC Technology



Frequency Characteristics

Low-Band						
Parameter		Frequency (MHz)	MIN	Typ.	MAX	Unit
Pass Band	Insertion Loss	700-960 1572-1578 1570-1610	---	0.29 0.35 0.37	0.5 0.5 0.55	dB
	Return Loss	700-960 1572-1578 1570-1610	10 10 10	26 22 21	---	dB
Stop Band	Attenuation	2400-2500 2500-2690 4900-5150 5150-5850 5850-5950	15 10 17 17 16	19 14 29 21 20	---	dB
In/Output Impedance		50				Ω
High-Band						
Parameter		Frequency (MHz)	MIN	Typ.	MAX	Unit
Pass Band	Insertion Loss	2400-2500 2500-2690 4900-5150 5150-5850 5850-5950	---	0.39 0.48 0.24 0.23 0.25	0.55 0.55 0.50 0.50 0.50	dB
	Return Loss	2400-2500 2500-2690 4900-5150 5150-5850 5850-5950	10 10 10 10 10	25 20 15 18 22	---	dB
Stop Band	Attenuation	704-960 1572-1578 1570-1610	10 19 19	14 23 23	---	dB
In/Output Impedance		50				Ω

Notes

- a. The specifications are tested at 25°C±5°C, relative humidity 55~75%.
- b. Other quality and characteristic not specify in this datasheet.
- Please contact us for detail requirements.



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