

Diplexer

WGDP-698/824-2520

698-746MHz /824-894MHz

Ver. A
2025.06.18

Maximum Rating

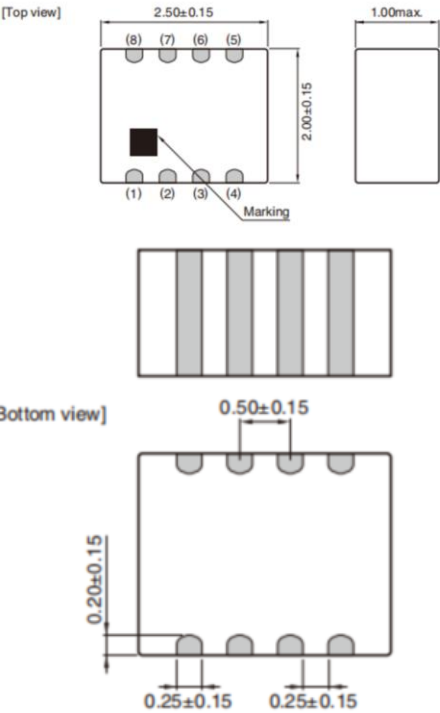
Operating Temperature	-40°C~+85°C
Storage Temperature	-40°C~+85°C
RF Input Power	2W max at 25°C

Pin Connections

Low Band Port	8
High Band Port	5
Common Port	3
Ground	1,2,4,6,7

Dimension & Layout

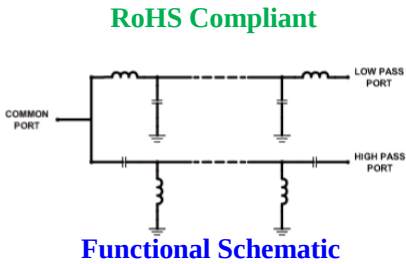
Max Length--L(mm)-	2.50±0.15-
Max Width--W(mm)-	2.00±0.15-
Max Height--H(mm)-	1.00±0.05-



Pad Dimension: 0.25*0.20mm

Features

- High Performance
- 698-746MHz/824-894MHz 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 Return Loss	698-746 698-746	- 10	1.38 25	2.1 -	dB dB
Stop Band	Attenuation	824-894	8	13.5	-	dB
In/Output Impedance		50				Ω
High-Band						
Parameter		Frequency (MHz)	MIN	Typ.	MAX	Unit
Pass Band	Insertion Loss Return Loss	824-894 824-894	- 10	1.4 21	2.1 -	dB dB
Stop Band	Attenuation	698-746	8	13	-	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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