

Diplexer

WGDP-699/1427-2520

699-960MHz /1427-2690MHz

Ver. A
2025.06.18

Maximum Rating

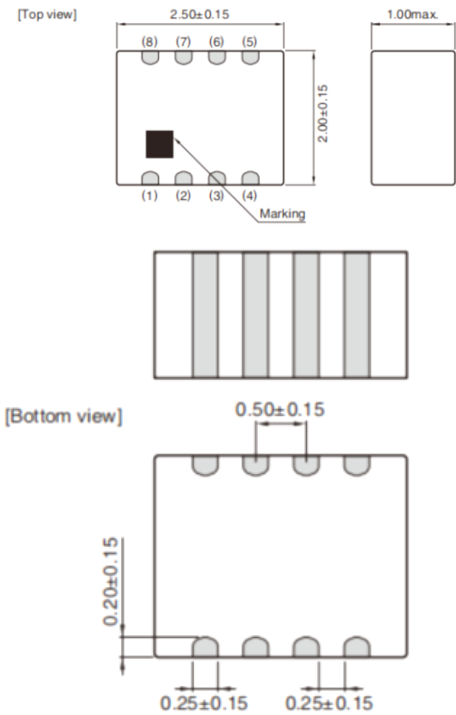
Operating Temperature	-40°C~+85°C
Storage Temperature	-40°C~+85°C
RF Input Power	2W max at 25°C

Pin Connections

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

Dimension & Layout

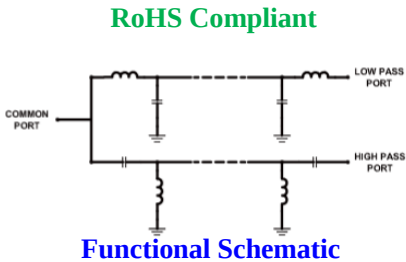
Max Length--L(mm)-	2.50±0.15-
Max Width--W(mm)-	2.00±0.15-
Max Height--H(mm)-	1.00±0.05-



Pad Dimension: 0.25*0.20mm

Features

- High Performance
- 699-960MHz /1427-2690MHz 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	699-814	---	0.25	0.5	dB
		814-960	---	0.40	0.7	dB
Stop Band	Attenuation	1436-1496	25	33	---	dB
		1544-1574	20	29		
		1648-1830	20	27		
		2097-2148	25	30		
		2442-2484	35	39		
		2484-2745	20	35		
		3256-3660	20	26		
		4070-4575	25	28		
		4944-5450	30	37		
		5450-5850	25	33		
In/Output Impedance		50				Ω
High-Band						
Parameter		Frequency (MHz)	MIN	Typ.	MAX	Unit
Pass Band	Insertion Loss	1427-1710	---	0.6	0.9	dB
		1710-2170		0.4	0.7	
		2500-2575		0.45	0.75	
		2575-2620		0.46	0.8	
		2620-2690		0.49	0.9	
Stop Band	Attenuation	814-960	20	39	---	dB
		3420-3820	8	10		
		3840-3960	8	24		
		5000-5850	20	24		
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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