

Diplexer

WGDP-2400/4900-1005

2400-2500MHz /4900-5950MHz

Ver. A
2025.06.18

Maximum Rating

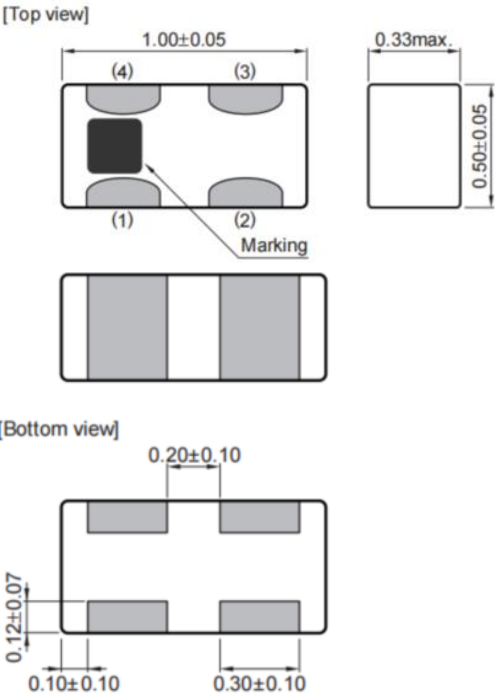
Operating Temperature	-40℃~+85℃
Storage Temperature	-40℃~+85℃
RF Input Power	1W max at 25℃

Pin Connections

Low Band Port	4
High Band Port	3
Common Port	1
Ground	2

Dimension & Layout

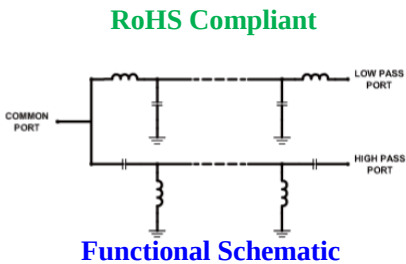
Max Length--L(mm)-	1.00±0.15-
Max Width--W(mm)-	0.50±0.15-
Max Height--H(mm)-	0.33±0.05-



Pad Dimension: 0.3*0.12mm

Features

- High Performance
- 2400-2500MHz /4900-5950MHz 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	2400-2500	---	0.35	0.6	dB
	Return Loss	2400-2500	10	22	---	dB
Stop Band	Attenuation	4800-6000 7200-7500	22 22	30 30	---	dB
In/Output Impedance		50				Ω
High-Band						
Parameter		Frequency (MHz)	MIN	Typ.	MAX	Unit
Pass Band	Insertion Loss	4900-5850	---	0.55	0.80	dB
	Return Loss	4900-5850	10	15	---	dB
Stop Band	Attenuation	30-2400 2400-2500 2500-2690 9800-11900	25 25 23 20	30 41 30 30	---	dB
In/Output Impedance		50				Ω
Common						
Parameter		Frequency (MHz)	MIN	Typ.	MAX	Unit
Return Loss		2400-2500 4900-5950	10 10	22 15	---	dB
In/Output Impedance		50				Ω

Notes

a. The specifications are tested at 25℃±5℃, relative humidity 55~75%.

b. Other quality and characteristic not specify in this datasheet.

Please contact us for detail requirements.



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