

**Preliminary Product Information**

**LTCC Multi Layer Ceramic Diplexer- 2012 (0805) size**

- **KFDIP2004L19T**

**FEATURES**

- Miniature footprint: 2.0 X 1.25 X 0.4 mm<sup>3</sup>.
- LTCC Process
- Low Profile Thickness
- Low Insertion Loss
- High Rejection
- RoHS Compliance
- Halogens Free Product

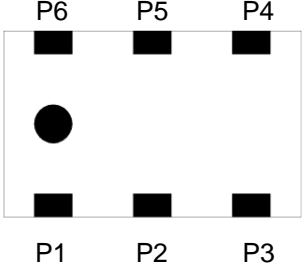
**APPLICATIONS**

- 2400 ~ 2500 MHz and 4900 ~ 5950 MHz working frequency

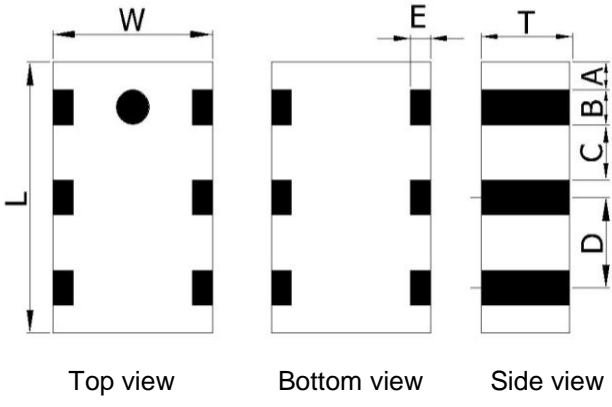
**ELECTRICAL CHARACTERISTICS**

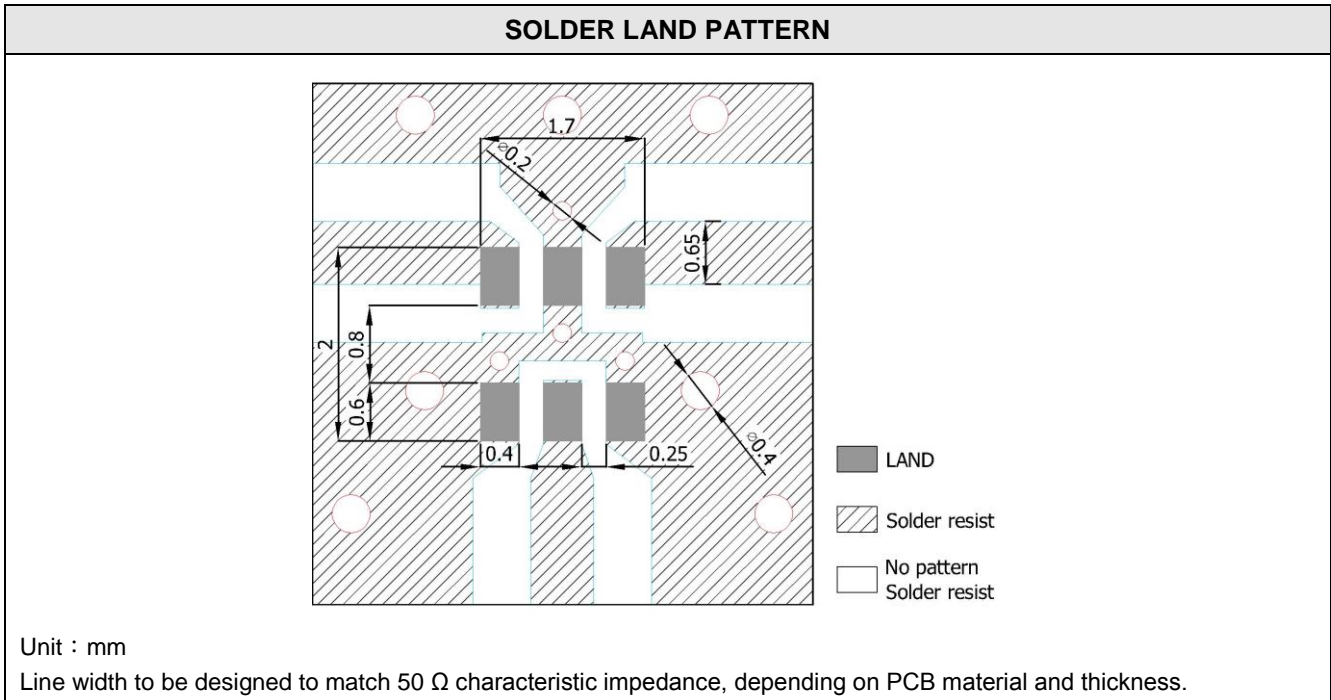
Item	Specification	
Frequency Range	2400 ~ 2500 MHz	4900 ~ 5950 MHz
Insertion Loss	0.6 dB max.	1.0 dB max.
Attenuation	15 dB min. @ 3600 MHz 25 dB min. @ 4800 ~ 5000 MHz 20 dB min. @ 7200 ~ 7500 MHz	20 dB min. @ 824 ~ 915 MHz 18 dB min. @ 1800 ~ 2500 MHz 14 dB min. @ 3000 ~ 3900 MHz 20 dB min. @ 9800 ~ 11900 MHz 20 dB min. @ 14700 ~ 17850 MHz
Isolation	20 dB min. @ DC ~ 2500 MHz 20 dB min. @ 4900 ~ 5950 MHz	
VSWR	2.0 max.	
Impedance	50Ω	
Taping Quantity	: 2000pcs per 7" reel	
Operating Temperature Range	: -40 ~ +85°C	
Storage Temperature Range	: -40 ~ +85°C	
Humidity	: 30 to 70% relative humidity	
Moisture sensitivity levels	: LEVEL 1 (Refer to : IPC/JEDEC J-STD-020)	

**CONSTRUCTION**

Figure	PIN	Connection
Top view 	1	GND
	2	Common(ANT) Port
	3	GND
	4	Higher Freq. Port
	5	GND
	6	Lower Freq. Port

**DIMENSIONS**

Figure	Symbol	Dimension (mm)
	L	$2.00 \pm 0.15$
	W	$1.25 \pm 0.15$
	T	$0.40 \pm 0.10$
	A	$0.20 \pm 0.15$
	B	$0.30 \pm 0.15$
	C	$0.35 \pm 0.15$
	D	$0.65 \pm 0.15$
	E	$0.20 \pm 0.15$



**CONTACT INFORMATION**

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*Specification subject to change without prior notice.*