

Preliminary Product Information

LTCC Multi Layer Ceramic Diplexer- 2012 (0805) size

- **KFDIP2004L19T**

FEATURES

- Miniature footprint: 2.0 X 1.25 X 0.4 mm³.
- LTCC Process
- Low Profile Thickness
- Low Insertion Loss
- High Rejection
- RoHS Compliance
- Halogens Free Product

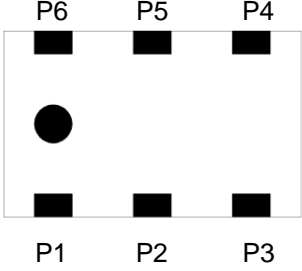
APPLICATIONS

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

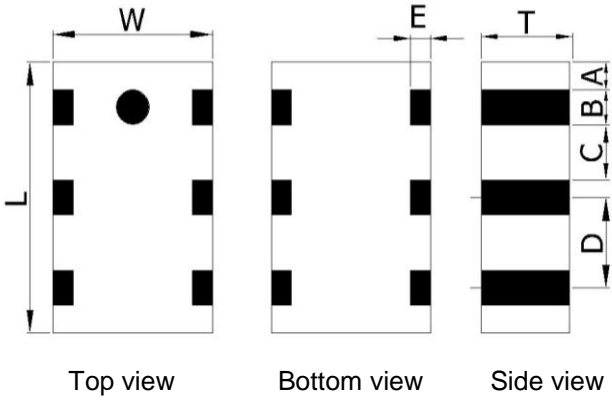
ELECTRICAL CHARACTERISTICS

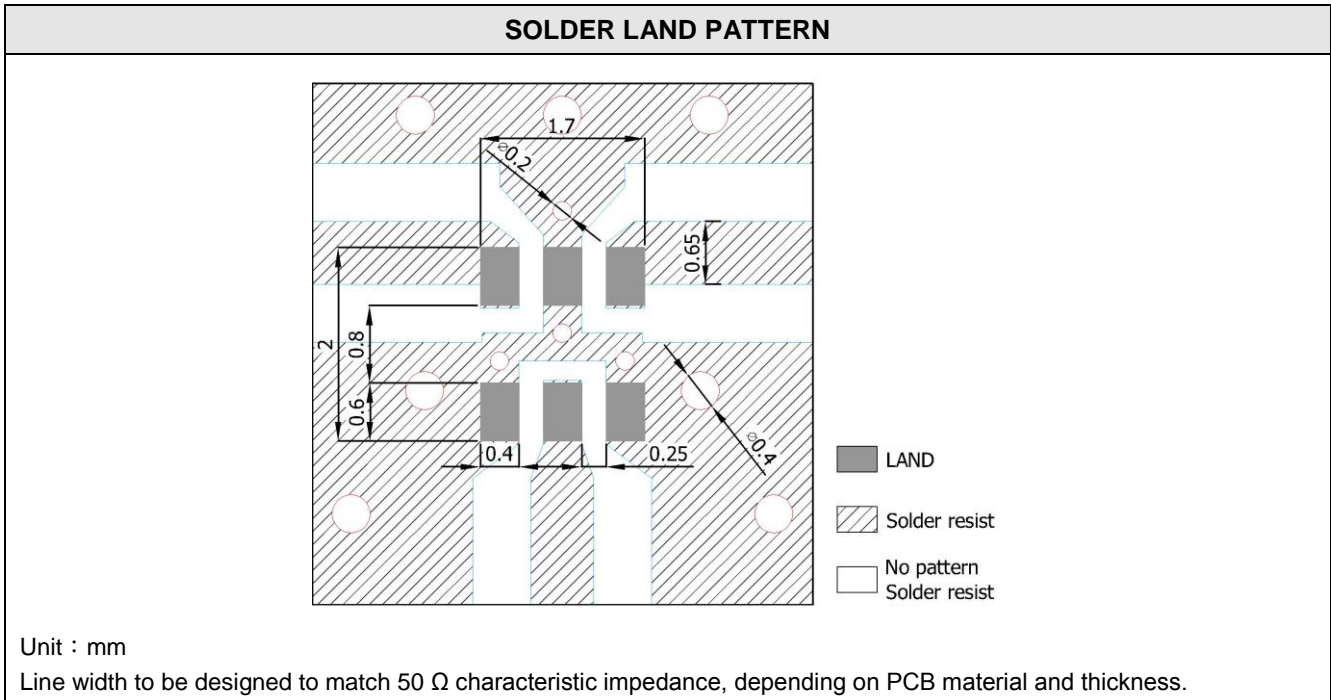
Item	Specification	
Frequency Range	2400 ~ 2500 MHz	4900 ~ 5950 MHz
Insertion Loss	0.6 dB max.	1.0 dB max.
Attenuation	15 dB min. @ 3600 MHz 25 dB min. @ 4800 ~ 5000 MHz 20 dB min. @ 7200 ~ 7500 MHz	20 dB min. @ 824 ~ 915 MHz 18 dB min. @ 1800 ~ 2500 MHz 14 dB min. @ 3000 ~ 3900 MHz 20 dB min. @ 9800 ~ 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 ± 0.15
	W	1.25 ± 0.15
	T	0.40 ± 0.10
	A	0.20 ± 0.15
	B	0.30 ± 0.15
	C	0.35 ± 0.15
	D	0.65 ± 0.15
	E	0.20 ± 0.15



CONTACT INFORMATION

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Specification subject to change without prior notice.