



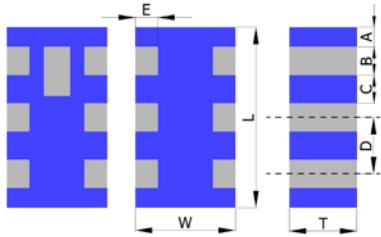
PRODUCT FEATURES

1. Surface mount diplexer with a small size of 1.6 X 0.80 X 0.60 mm, RoHS compliant.
2. Provide low insertion loss and high attenuation.
3. Highly stable under temperature and humidity changes.

RF CHARACTERISTICS

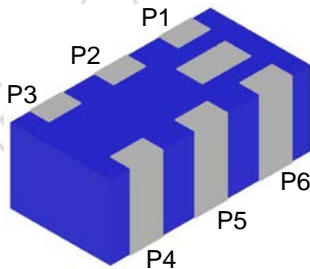
PN DP2549K0603BT	Specification	
Frequency range	2400-2500 MHz	4900-5900 MHz
VSWR	2.0 max	2.0 max
Insertion Loss	0.8 dB max.	1.2 dB max.
Attenuation (min.)	18 dB @4.8-5.0GHz 20 dB @7.2-7.5GHz	20 dB @3.7-3.9GHz 20 dB @1.8-2.5GHz 20 dB @9.8-11.8GHz
Operation Temperature Range	-40°C to +85°C	

PHYSICAL DIMENSIONS



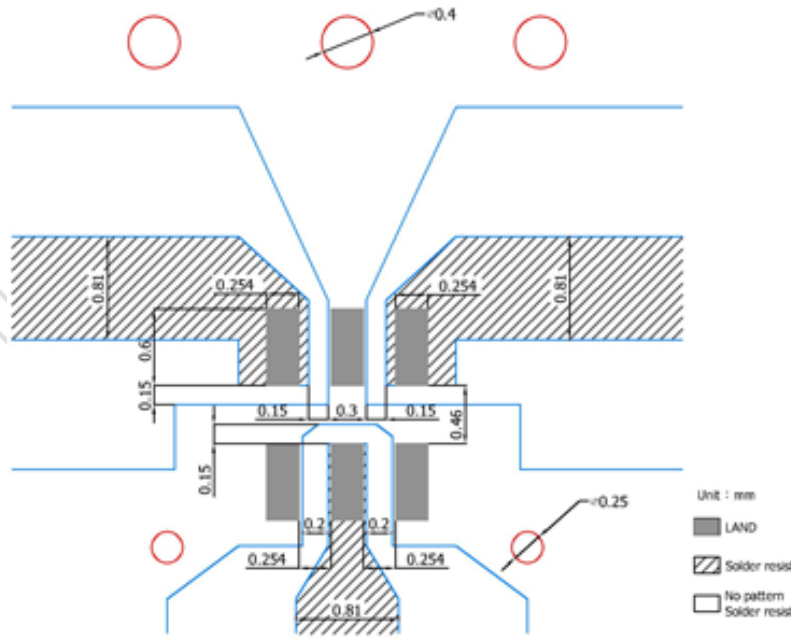
Symbol	Dimension (mm)
L	1.60 ± 0.15
W	0.80 ± 0.15
T	0.60 ± 0.10
A	0.175 ± 0.15
B, C	0.25 ± 0.15
D	0.50 ± 0.15
E	0.20 ± 0.15

TERMINAL CONFIGURATION



PIN	Connection	PIN	Connection
P1	2.4 GHz port	P4	GND
P2	GND	P5	Common port
P3	5 GHz port	P6	GND

PCB DESIGN/LAYOUT CONSIDERATION



Note:

- Design trace width to be 50Ω impedance.

Typical RF Performance

