



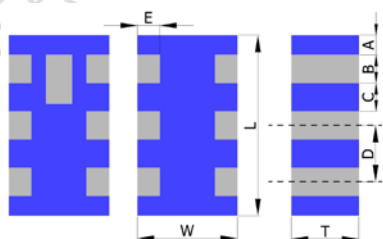
PRODUCT FEATURES

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

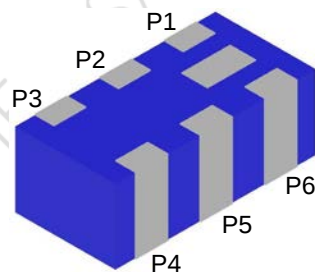
PN DP1624K0603BT	Specification	
Frequency range	1570-1610 MHz	2400-2500 MHz 4900-5900 MHz
VSWR	2.0 max	2.0 max
Insertion Loss	0.65 dB max. 0.55 dB typ.	0.65 dB max. 0.55 dB typ.
Attenuation (dB min.)	20 dB @2.4~2.5GHz 20 dB @4.9~5.9GHz	20 dB @1.57~1.61GHz
Operation Temperature Range	-40°C to +85°C	

PHYSICAL DIMENSIONS



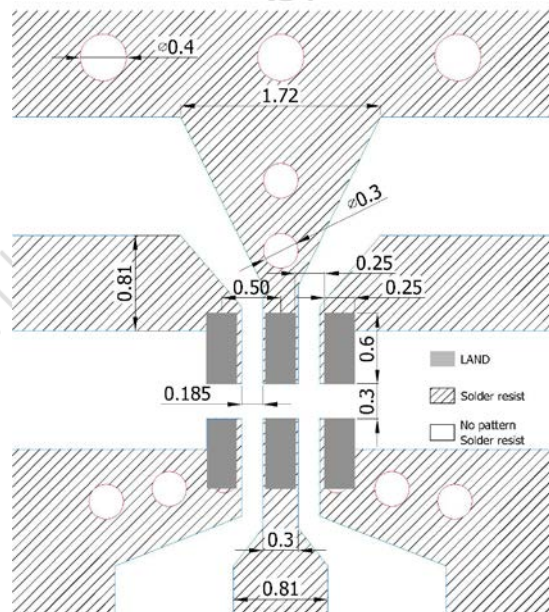
Symbol	Dimension (mm)
L	1.60 ± 0.15
W	0.80 ± 0.15
T	0.60 ± 0.10
A	0.175 ± 0.15
B, C	0.25 ± 0.15
D	0.50 ± 0.15
E	0.20 ± 0.15

TERMINAL CONFIGURATION



PIN	Connection	PIN	Connection
P1	GND	P4	2.4GHz/5GHz port
P2	Common port	P5	GND
P3	GND	P6	1.57GHz port

PCB DESIGN/LAYOUT CONSIDERATION



Note:

- Unit in mm
- Design trace width to be 50Ω impedance.

Typical RF Performance

