



DP1624P1008AT DIPLEXER SPECIFICATION

Rev. A

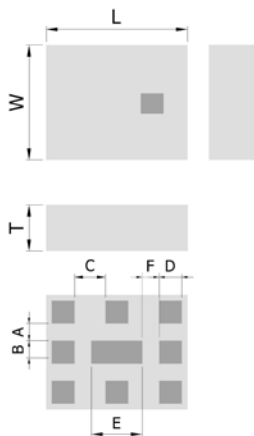
PRODUCT FEATURES

1. Surface mount diplexer with a small size of 2.5 X 2.0 X 0.80 mm, RoHS compliant.
2. Provide low insertion loss and high attenuation.
3. Highly stable under temperature and humidity changes.

RF CHARACTERISTICS

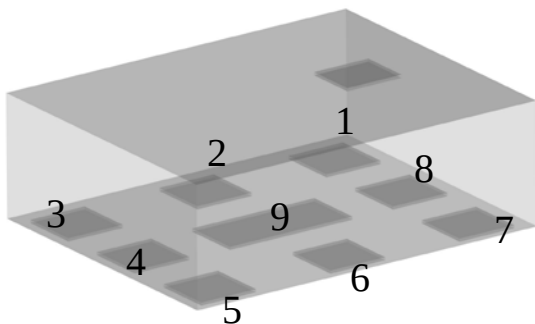
PN DP1624P1008AT	Specification	
Frequency range	1570-1580 MHz	2400-2500 MHz
VSWR	2.0 max	2.0 max
Insertion Loss	0.7 dB max.	3.5 dB max
Attenuation (min.)	10 dB @2400 - 2500MHz	42 dB. @ 824 - 894 MHz 42 dB @ 880 - 960 MHz 33 dB @ 1570 - 1580 MHz 30 dB @ 1710 - 1785 MHz 33 dB @ 1850 - 1910 MHz 30 dB @ 2100 - 2170 MHz 40 dB @ 4800 - 5000 MHz 20 dB @ 7200 - 7500 MHz
Operation Temperature Range	-40°C to +85°C	

PHYSICAL DIMENSIONS



Symbol	Dimension (mm)
L	2.50 ± 0.15
W	2.00 ± 0.15
T	0.80 ± 0.10
A, F	0.30 ± 0.10
B, D	0.40 ± 0.10
D	0.55 ± 0.10
E	0.90 ± 0.10

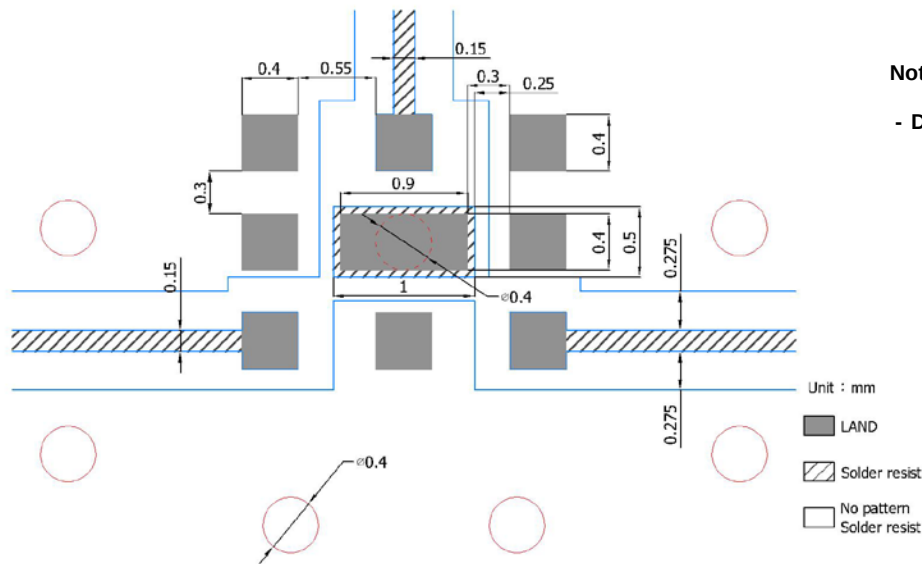
TERMINAL CONFIGURATION



PIN	Connection	PIN	Connection
P1	2.4GHz port	P6	Common port
P2	GND	P7	GND
P3	1.57GHz port	P8	GND
P4, P5	GND	P9	GND



PCB DESIGN/LAYOUT CONSIDERATION



Note:

- Design trace width to be 50Ω impedance.

Typical RF Performance

