



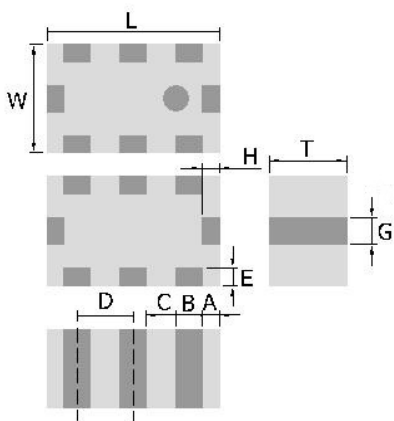
PRODUCT FEATURES

1. Surface mount diplexer with a small size of 2.0 X 1.25 X 0.95 mm, RoHS compliant.
2. Provide low insertion loss and high attenuation.
3. Highly stable under temperature and humidity changes.

RF CHARACTERISTICS

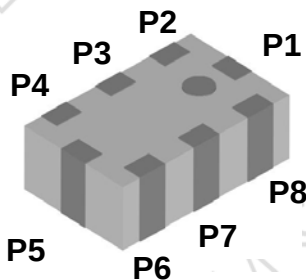
PN DP2549E0805AT	Specification	
Frequency range	2450 $\pm$ 50 MHz	5400 $\pm$ 500 MHz
VSWR	2.0 max	2.0 max
Insertion Loss	0.7 dB max.	0.9 dB max
Ripple	0.5 dB max.	
Attenuation (dB min.)	-20dB @ 4.9 GHz -20dB @ 5.2 GHz -20dB @ 5.8 GHz	-20dB @ 2.45GHz
Operation Temperature Range	-40°C to +85°C	

PHYSICAL DIMENSIONS



Symbol	Dimension (mm)
L	2.00 $\pm$ 0.15
W	1.25 $\pm$ 0.15
T	0.95 $\pm$ 0.10
A,E	0.20 $\pm$ 0.20
B,G	0.30 $\pm$ 0.20
C	0.35 $\pm$ 0.20
D	0.65 $\pm$ 0.20
H	0.25 $\pm$ 0.20

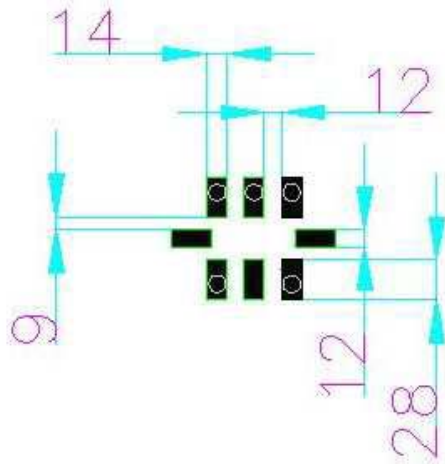
TERMINAL CONFIGURATION



PIN	Connection	PIN	Connection
P1	2.4 GHz port	P5	5 GHz port
P2, P4	GND	P6	GND
P3	Common port	P7, P8	GND



PCB DESIGN/LAYOUT CONSIDERATION



Note:

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

Typical RF Performance

