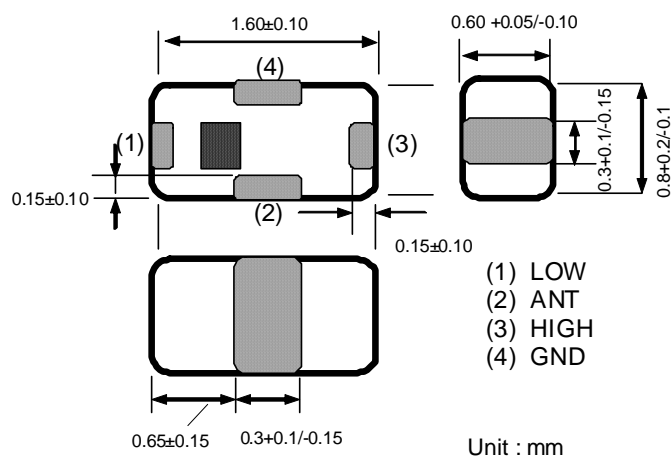


1608 TYPE MULTILAYER DIPLEXER

P/N: **DPX165850DT-8017A1**

For 2.4GHz 5GHz W-LAN

MECHANICAL DIMENSIONS



ELECTRICAL CHARACTERISTICS (Ta= +25 ± 5 °C)

No.	Parameter	Freq. (MHz)	PORT	Specification	Typ. value	UNIT
1	Insertion Loss	2400-2500	ANT-LOW	0.40 max.	0.30	dB
2	Insertion Loss	4900-5850	ANT-HIGH	0.60 max.	0.37	dB
3	Attenuation	4900-5850	ANT-LOW	20.0 min.	23.1	dB
4	Attenuation	2400-2500	ANT-HIGH	20.0 min.	35.2	dB
5	VSWR	2400-2500	ANT	1.6 max.	1.26	-
6	VSWR	4900-5850	ANT	1.9 max.	1.34	-
7	VSWR	2400-2500	Low	1.6 max.	1.24	-
8	VSWR	4900-5850	High	1.9 max.	1.35	-

TEMPERATURE RANGE

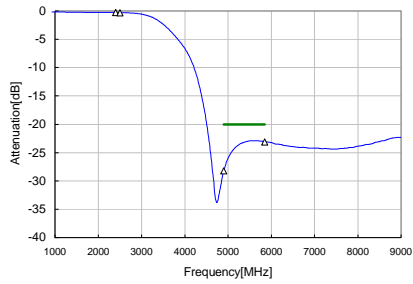
Storage Temperature	-40 ~ +85 °C
Operating Temperature	-40 ~ +85 °C

FREQUENCY CHARACTERISTICS

DPX165850DT-8017A1 Sample Data

Lo-Band Port

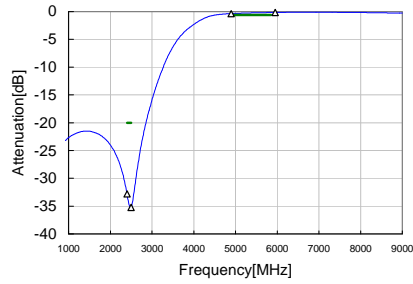
S21



Insertion Loss	
2400 MHz	-0.30 dB
2500 MHz	-0.30 dB
Attenuation	
4900 MHz	-28.20 dB
5850 MHz	-23.09 dB

Hi-Band Port

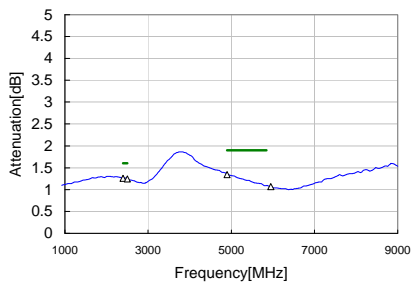
S31



Insertion Loss	
4900 MHz	-0.37 dB
5950 MHz	-0.16 dB
Attenuation	
4900 MHz	-32.81 dB
2500 MHz	-35.24 dB

Common Port VSWR

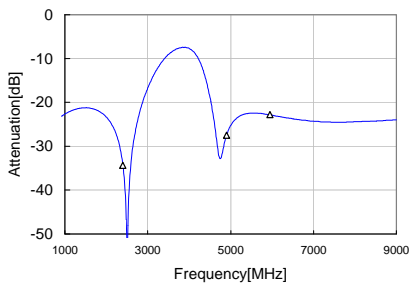
S11



2400 MHz	1.26
2500 MHz	1.24
4900 MHz	1.34
5950 MHz	1.07

Isolation

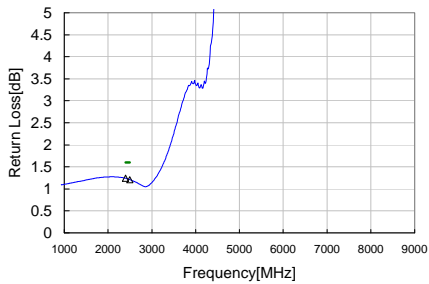
S23



2400 MHz	-34.3 dB
2500 MHz	-55.9 dB
4900 MHz	-27.5 dB
5950 MHz	-22.8 dB

Lo-Band Port VSWR

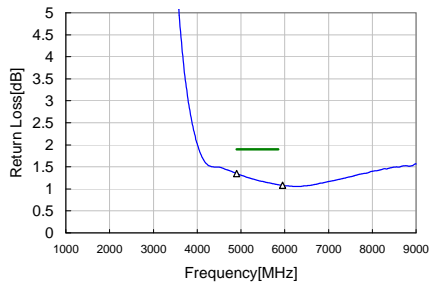
S22



2400 MHz	1.24
2500 MHz	1.21

Hi-Port VSWR

S33



4900 MHz	1.35
5950 MHz	1.08

