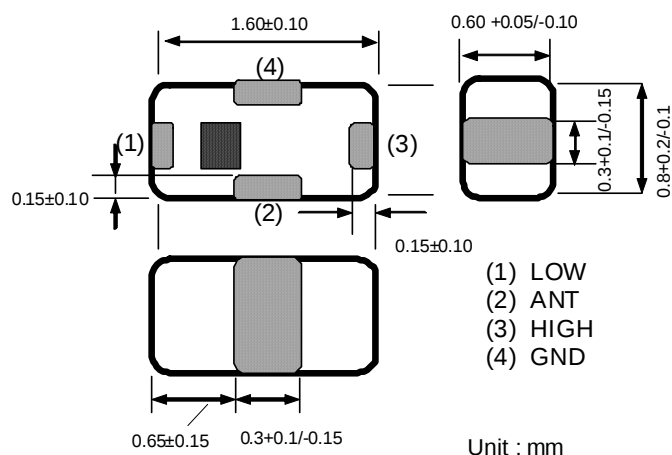


1608 TYPE MULTILAYER DIPLEXER

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

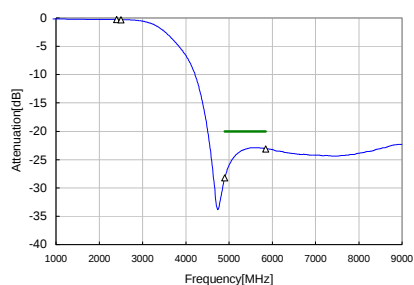
Storage Temperature	-40 ~ +85 °C
Operating Temperature	-40 ~ +85 °C

FREQUENCY CHARACTERISTICS

DPX165850DT-8017A1 Sample Data

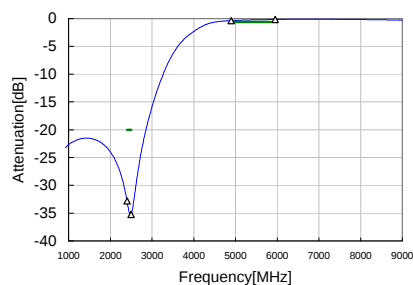
Lo-Band Port

S21



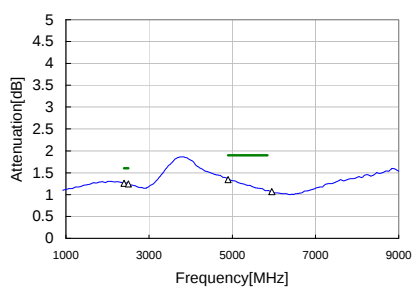
Hi-Band Port

S31



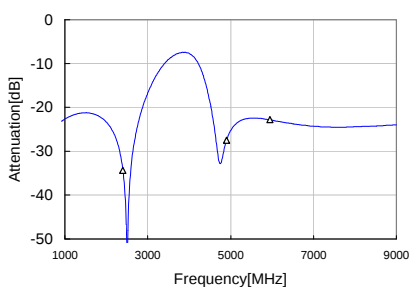
Common Port VSWR

S11



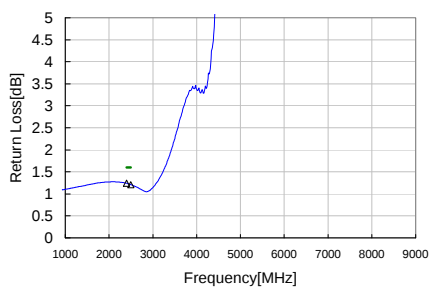
Isolation

S23



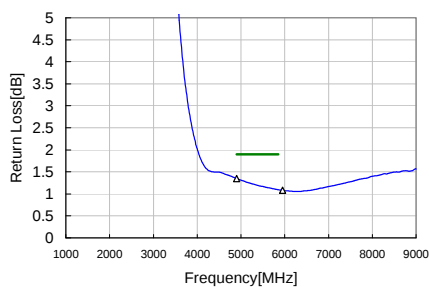
Lo-Band Port VSWR

S22

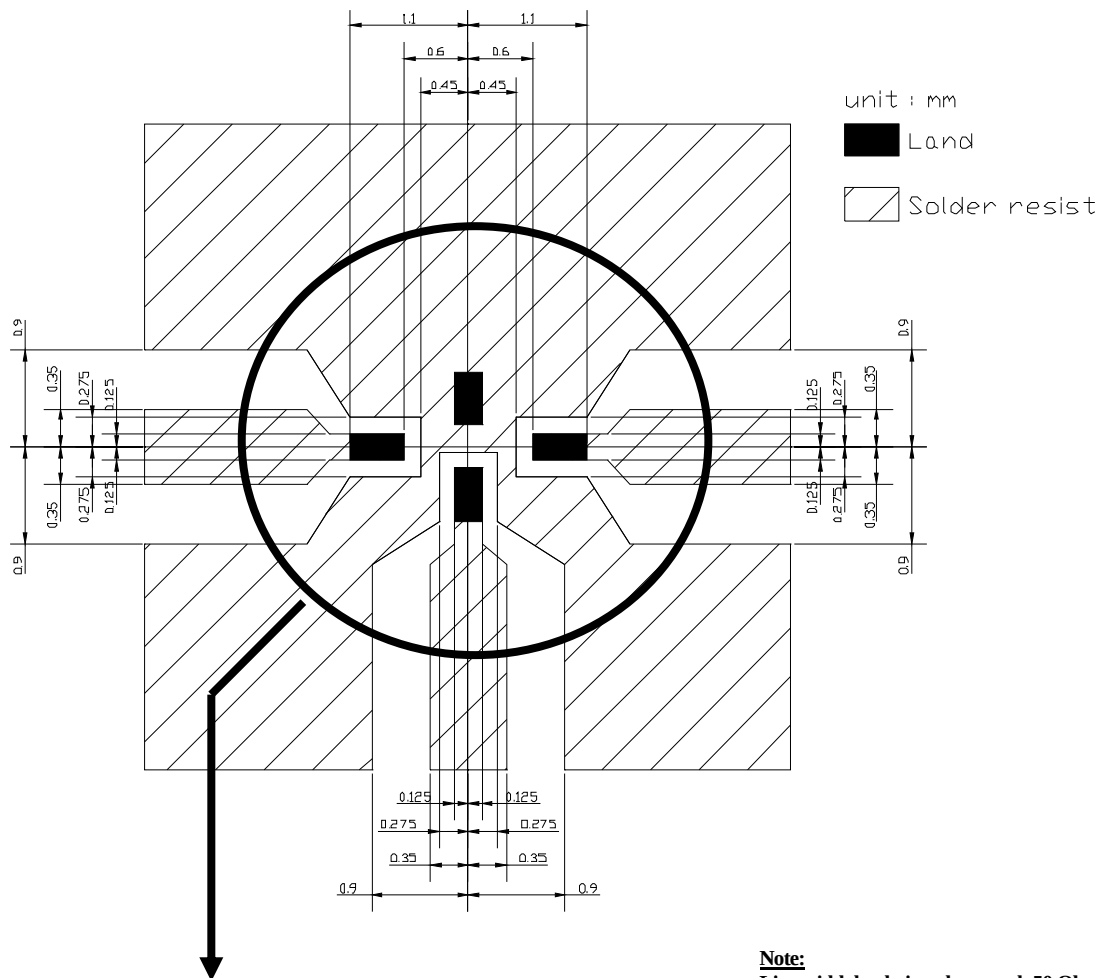


Hi-Port VSWR

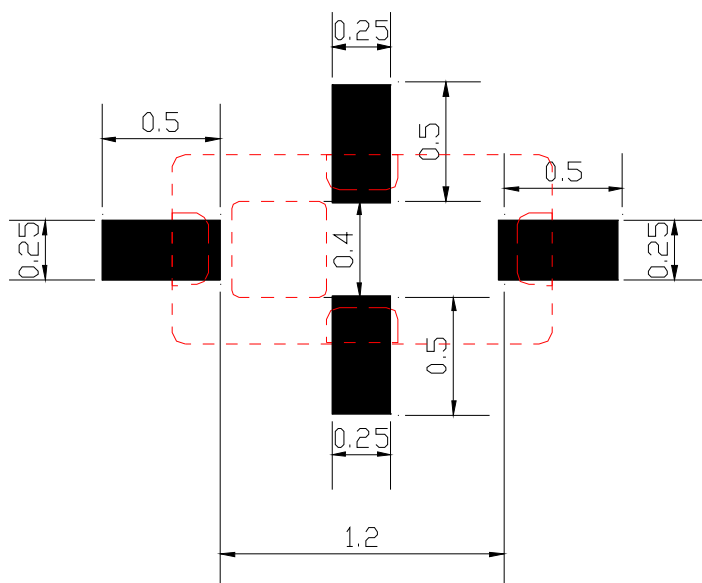
S33



[RECOMMENDED LAND PATTERN]



Note:
Line width be designed to match 50 Ohm characteristic impedance, depending on PCB material and thickness.



Note: All specifications are subject to change and are not guaranteed.