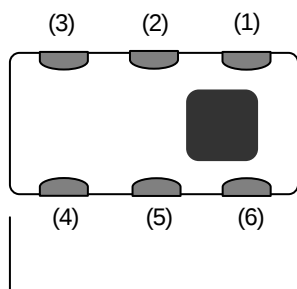


1608 TYPE MULTILAYER DIPLEXER

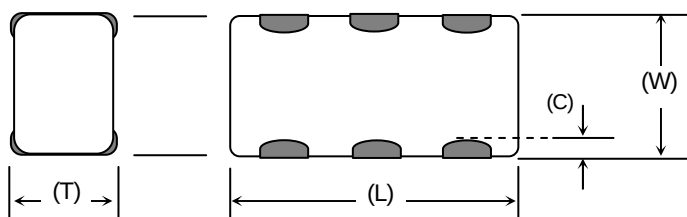
P/N: **DPX165900DT-8025A1**

MECHANICAL DIMENSIONS

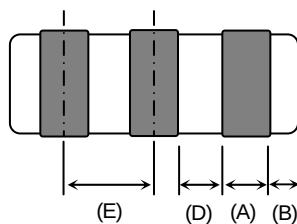
[Top View]



[Bottom View]



[Side View]



Dimension (mm)

(L)	(W)	(T)	(A)	(B)	(C)	(D)	(E)
1.60 +/-0.15	0.80 +/-0.15	0.60 +/-0.10	0.30 +/-0.10	0.10 +/-0.10	0.15 +/-0.10	0.25 +/-0.10	0.55 +/-0.10

PIN Configuration

(1)	(2)	(3)	(4)	(5)	(6)
High-Band	GND	Low-Band	GND	Common	GND

TEMPERATURE RANGE

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

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

Low-Band

Parameter	Freq. (MHz)	Specification	Typ.	Unit
Insertion Loss	2400-2500	0.6 max.	0.36	dB
Attenuation	4800-5000	18 min.	23.4	dB
	7200-7500	18 min.	25.9	dB

High-Band

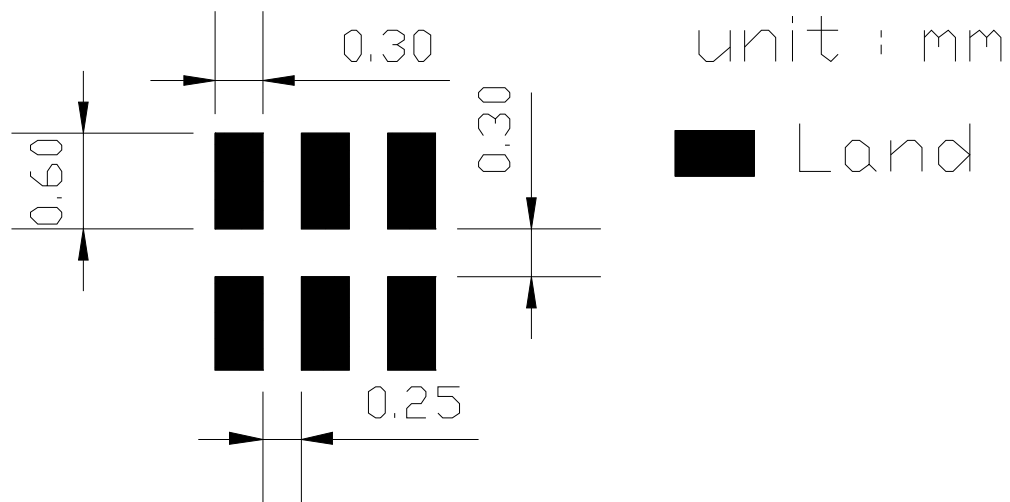
Parameter	Freq. (MHz)	Specification	Typ.	Unit
Insertion Loss	5100-5900	1.4 max	0.83	dB
Attenuation	1800-2500	20 min.	30.8	dB
	3700-3900	20 min.	29.5	dB
	9800-11900	10 min.	26.2	dB

Common

Parameter	Freq. (MHz)	Specification	Typ.	Unit
VSWR	2400-2500	2.0 max.	1.17	-
	5100-5900	2.3 max.	1.71	-

We recommend to terminate for all port with 50ohm at all times.

RECOMMENDED LAND PATTERN



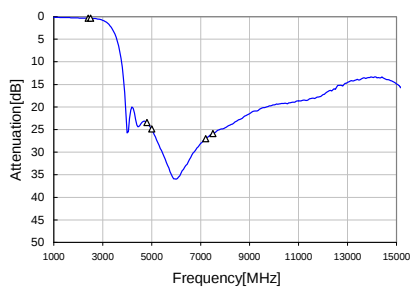
Note: All specifications are subject to change and are not guaranteed.

FREQUENCY CHARACTERISTICS

DPX165900DT-8025A1 Sample Data

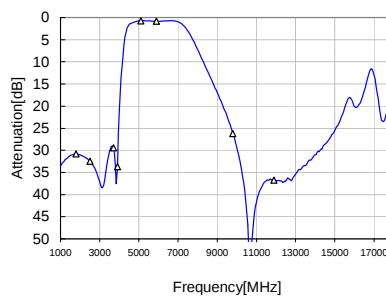
Low band-Port

S21



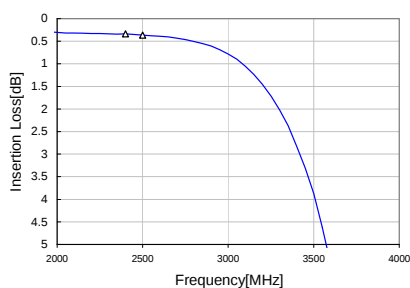
High band-Port

S31



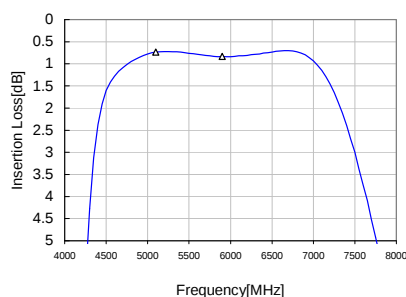
Low band-Port

S21



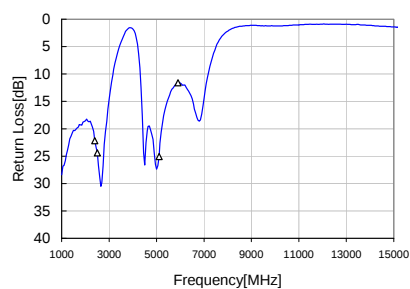
High band-Port

S31



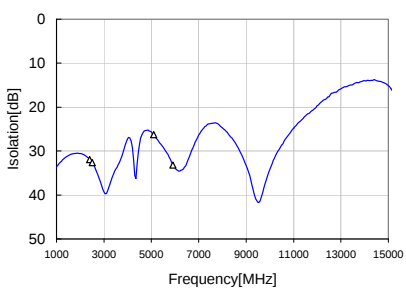
Common Port Return Loss

S11



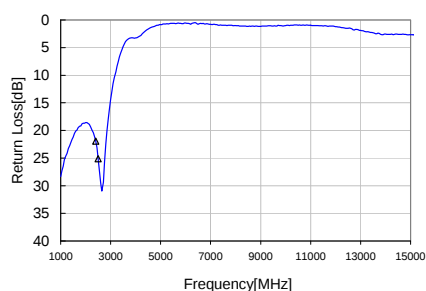
Isolation

S23



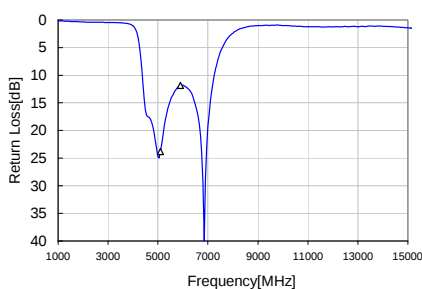
Low band-Port Return Loss

S22



High band-Port Return Loss

S33



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

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