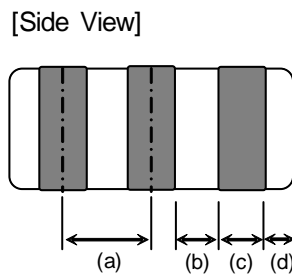
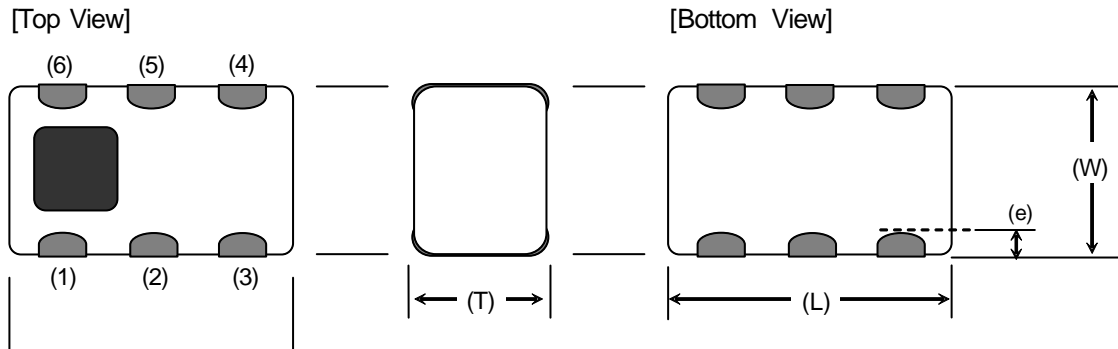


MULTILAYER DIPLEXER SPECIFICATION

P/N: **DPX202500DT-9032A1**

[MECHANICAL CHARACTERISTICS]



Dimension (mm)

(L)	(W)	(T)	(a)	(b)	(c)	(d)	(e)
2.00	1.25	0.90	0.65	0.35	0.30	0.20	0.20
+/-0.15	+/-0.15	+/-0.10	+/-0.10	+/-0.20	+/-0.20	+/-0.20	+/-0.20

Pin Assignment

(1)	(2)	(3)	(4)	(5)	(6)
GND	Common	GND	Hi-Band	GND	Lo-Band

[TEMPERATURE RANGE]

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

[ELECTRICAL CHARACTERISTICS] $T_a=+25^{\circ}\text{C}$

Low-band Port

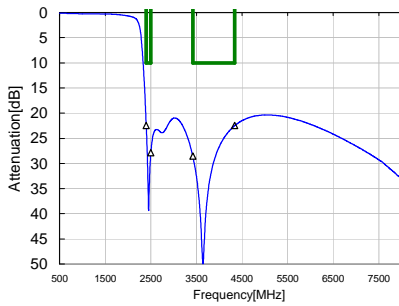
PARAMETER	FREQ (MHz)	SPEC	Typ. Value	UNIT
Insertion loss($T_a=+25^{\circ}\text{C}$)	824-960	0.4 max.	0.23	dB
	1710-1990	1.0 max.	0.66	dB
	2110-2170	1.8 max.	1.20	dB
Insertion loss($T_a=-40 \sim +85^{\circ}\text{C}$)	824-960	0.5 max.	-	dB
	1710-1990	1.2 max.	-	dB
	2110-2170	2.1 max.	-	dB
VSWR	824-960	2.0 max.	1.34	-
	1710-1990	2.0 max.	1.40	-
	2110-2170	2.0 max.	1.41	-
Attenuation	2400-2500	10 min.	22.4	dB
	3420-4340	10 min.	22.4	dB

High-band Port

PARAMETER	FREQ (MHz)	SPEC	Typ. Value	UNIT
Insertion loss($T_a=+25^{\circ}\text{C}$)	2400-2500	2.0 max.	1.52	dB
Insertion loss($T_a=-40 \sim +85^{\circ}\text{C}$)	2400-2500	2.3 max.	-	dB
VSWR	2400-2500	2.0 max.	1.54	-
Attenuation	824-960	20 min.	25.3	dB
	1710-1990	15 min.	20.4	dB
	2110-2170	10 min.	18.3	dB
	4800-5000	15 min.	35.7	dB
	7200-7500	10 min.	28.5	dB

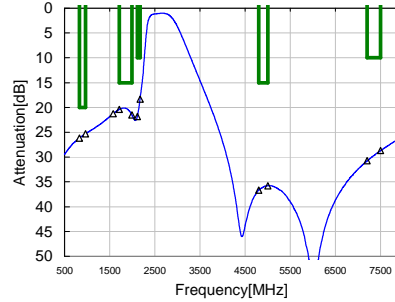
[FREQUENCY RESPONSE]

Low Band Port Attenuation S21



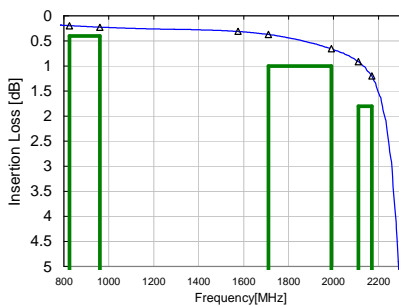
Attenuation	
2400 MHz	22.48 dB
2500 MHz	27.86 dB
3420 MHz	28.53 dB
4340 MHz	22.47 dB

High Band Port Attenuation S31



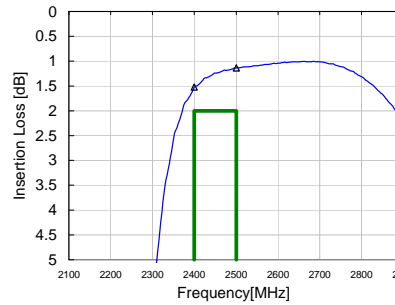
Attenuation	
824 MHz	26.18 dB
960 MHz	25.31 dB
1575 MHz	21.26 dB
1710 MHz	20.39 dB
1990 MHz	21.53 dB
2110 MHz	21.79 dB
2170 MHz	18.32 dB
4800 MHz	36.65 dB
5000 MHz	35.78 dB
7200 MHz	30.76 dB
7500 MHz	28.71 dB

Low Band Port Insertion Loss S21



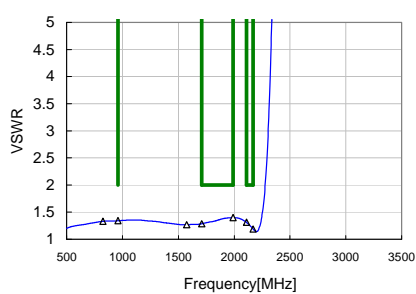
Insertion Loss	
824 MHz	0.20 dB
960 MHz	0.23 dB
1575 MHz	0.31 dB
1710 MHz	0.37 dB
1990 MHz	0.66 dB
2110 MHz	0.91 dB
2170 MHz	1.20 dB

High Band Port Insertion Loss S31



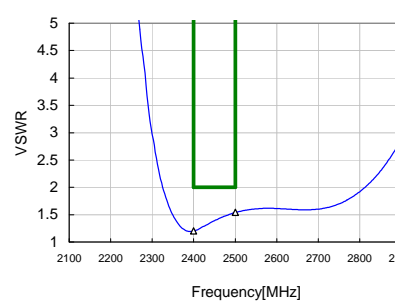
Insertion Loss	
2400 MHz	1.52 dB
2500 MHz	1.13 dB

Low Band Port VSWR S22



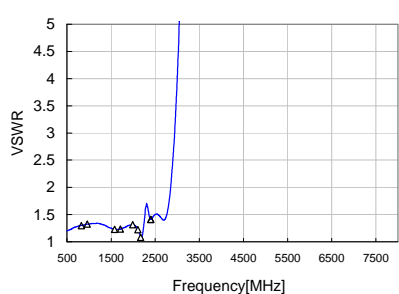
824 MHz	1.33
960 MHz	1.34
1575 MHz	1.27
1710 MHz	1.28
1990 MHz	1.40
2110 MHz	1.31
2170 MHz	1.19

High Band Port VSWR S33



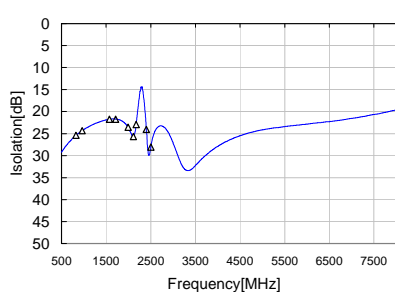
2400 MHz	1.21
2500 MHz	1.54

Common Port VSWR S11



824 MHz	1.30
960 MHz	1.33
1575 MHz	1.23
1710 MHz	1.23
1990 MHz	1.31
2110 MHz	1.22
2170 MHz	1.08
2400 MHz	1.41
2500 MHz	1.50

Isolation S23



824 MHz	25.4 dB
960 MHz	24.3 dB
1575 MHz	21.7 dB
1710 MHz	21.7 dB
1990 MHz	23.6 dB
2110 MHz	25.7 dB
2170 MHz	22.9 dB
2400 MHz	24.1 dB
2500 MHz	28.1 dB

[LAND PATTERN]

