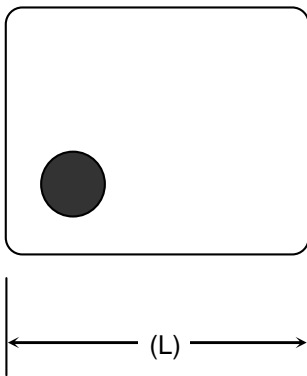


MULTILAYER DIPLEXER SPECIFICATION

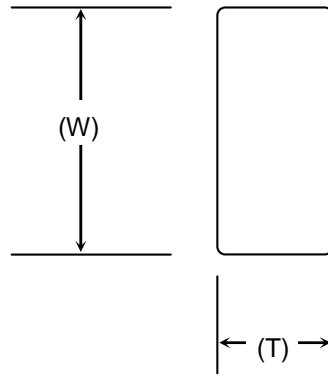
P/N: **DPX252500DT-5217A1**

[MECHANICAL CHARACTERISTICS]

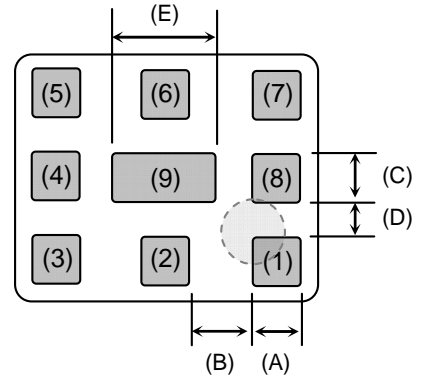
[Top View]



[Side View]



[Bottom View]



Dimension (mm)

(L)	(W)	(T)	(A)	(B)	(C)	(D)	(E)
2.50	2.00	0.90	0.40	0.55	0.40	0.30	0.90
+/-0.15	+/-0.15	+/-0.10	+/-0.10	+/-0.15	+/-0.10	+/-0.10	+/-0.15

Pin Assignment

(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)
Hi-Band	GND	Lo-Band	GND	GND	ANT	GND	GND	GND

[TEMPERATURE RANGE]

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

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

Low-band

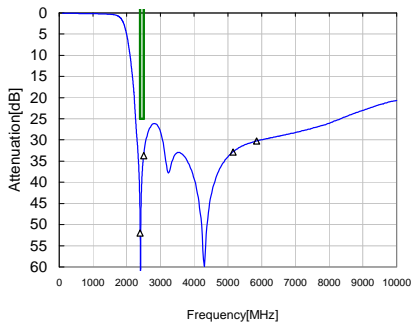
PARAMETER	FREQ (MHz)	SPEC	TYP	UNIT
Insertion Loss($T_a=+25^{\circ}\text{C}$)	1572 - 1578	0.60 max.	0.4	dB
Insertion Loss($T_a=-40 \sim +85^{\circ}\text{C}$)	1572 - 1578	0.80 max.	-	dB
VSWR	1572 - 1578	2.0 max.	1.2	-
Attenuation	2400 - 2500	25 min.	33	dB

High-band

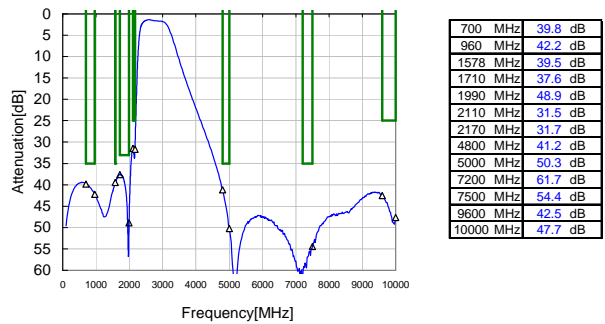
PARAMETER	FREQ (MHz)	SPEC	TYP	UNIT
Insertion Loss($T_a=+25^{\circ}\text{C}$)	2400 - 2500	2.7 max.	2.1	dB
Insertion Loss($T_a=-40 \sim +85^{\circ}\text{C}$)	2400 - 2500	3.0 max.	-	dB
VSWR	2400 - 2500	2.0 max.	1.2	-
Attenuation	700 - 960	35 min.	40	dB
	1572 - 1578	35 min.	39	dB
	1710 - 1990	33 min.	37	dB
	2110 - 2170	25 min.	31	dB
	4800 - 5000	35 min.	41	dB
	7200 - 7500	35 min.	54	dB
	9600 - 10000	25 min.	42	dB

[FREQUENCY RESPONSE]

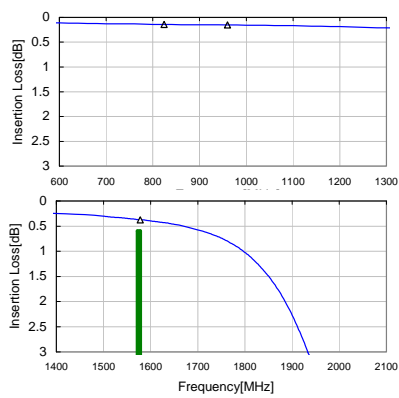
Low-Band Port Attenuation S21



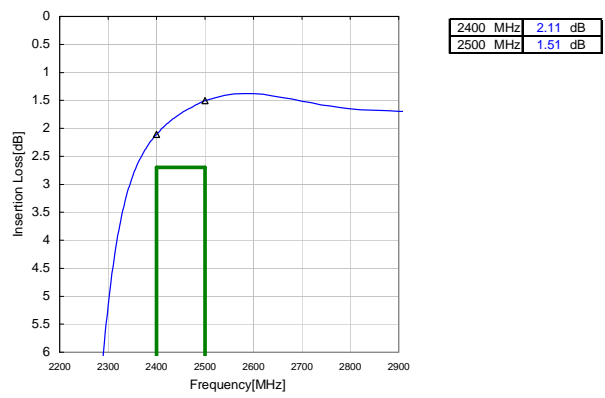
High-Band Port Attenuation S31



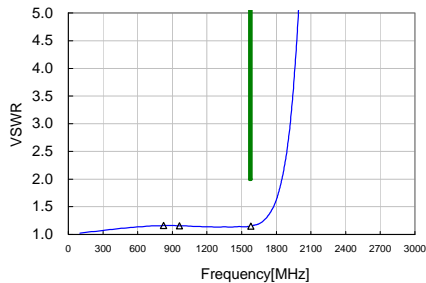
Low-Band Port Insertion Loss S21



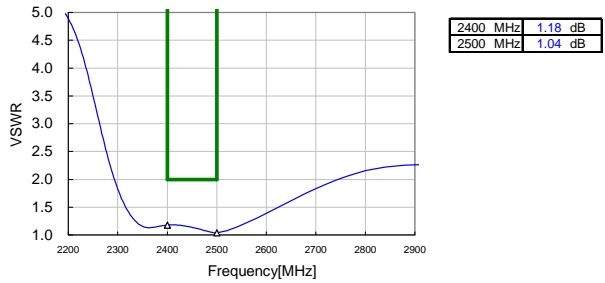
High-Band Port Insertion Loss S31



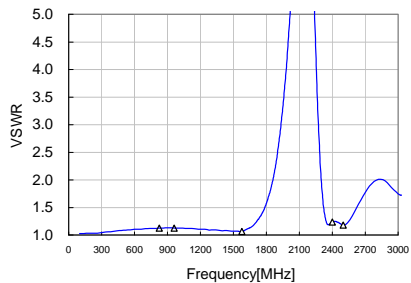
Low-Band Port VSWR S22



High-Band Port VSWR S33



Common Port VSWR S11



Isolation (Low - High) S23

