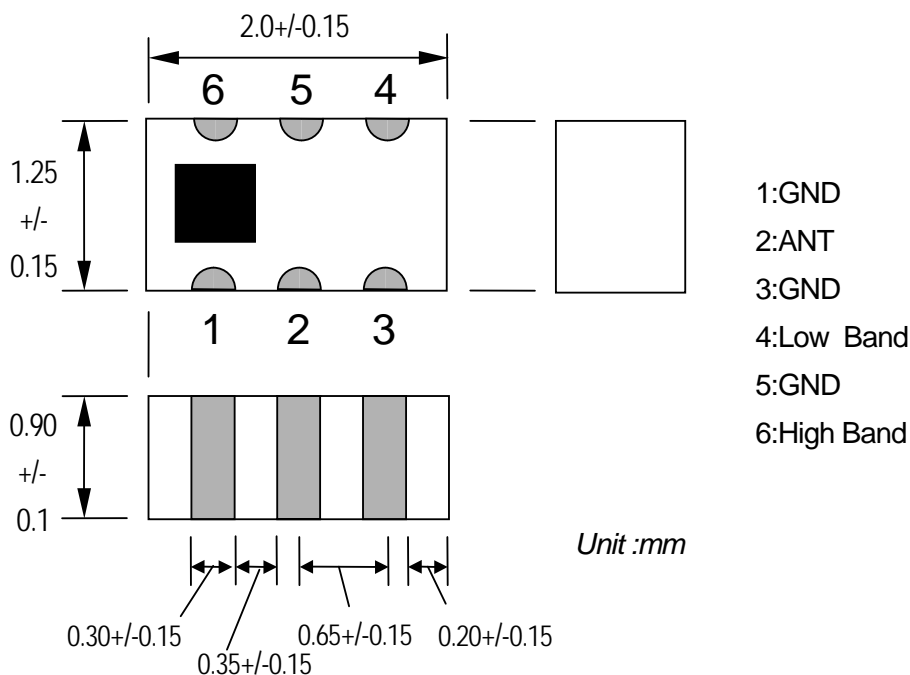


MULTILAYER DIPLEXER SPECIFICATION

P/N: **DPX202170DT-4149A1**

MECHANICAL DIMENSIONS



ELECTRICAL CHARACTERISTICS at 25 degC

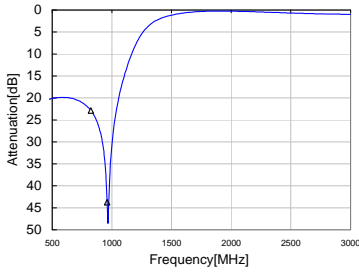
No.	PARAMETER	FREQ (MHz)	Target SPEC		UNIT
			Min.	Max.	
1	Insertion Loss(Low Band Port)	824 - 960	-	0.3	dB
2	Insertion Loss(High Band Port)	1710 - 2170	-	0.5	dB
3	Attenuation(High Band Port)	824-960	20	-	dB
4	Attenuation(Low Band Port)	1710-2170	15	-	dB
5	VSWR(ANT Port)	824 - 960	-	1.5	-
6	VSWR (ANT Port)	1710 - 2170	-	1.7	-
7	VSWR (Low Band Port)	824 - 960	-	1.5	-
8	VSWR (High Band Port)	1710 - 2170	-	1.7	-

TEMPERATURE RANGE

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

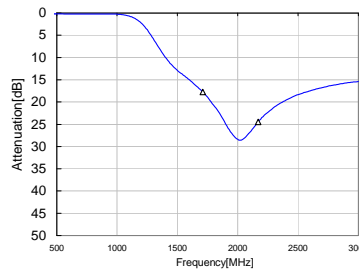
FREQUENCY RESPONSE

High Band Port Attenuation S21



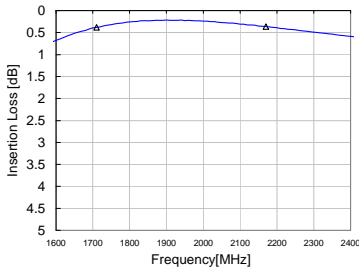
Frequency [MHz]	Attenuation [dB]
824	22.85
960	43.72

Low Band Port Attenuation S31



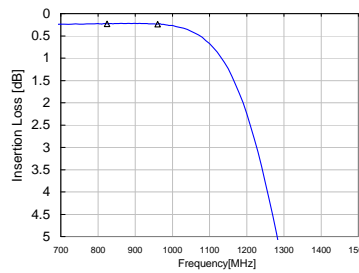
Frequency [MHz]	Attenuation [dB]
1710	17.71
2170	24.48

High Band Port Insertion Loss S21



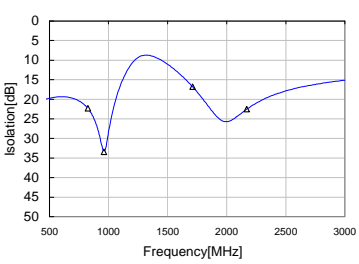
Frequency [MHz]	Insertion Loss [dB]
1710	0.38
2170	0.37

Low Band Port Insertion Loss S31



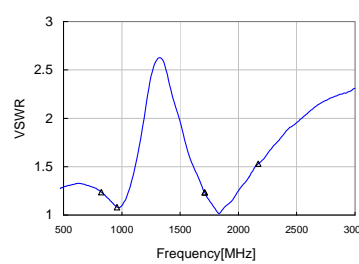
Frequency [MHz]	Insertion Loss [dB]
824	0.23
960	0.24

Isolation S32



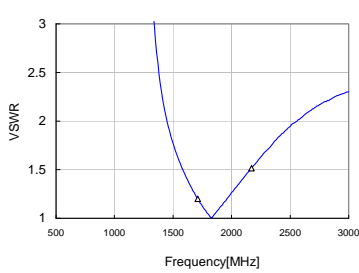
Frequency [MHz]	Isolation [dB]
824	22.3
960	33.4
1710	16.8
2170	22.5

Common Port VSWR S11



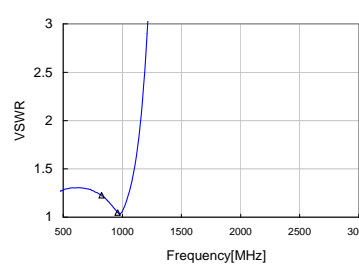
Frequency [MHz]	VSWR [dB]
824	1.24
960	1.08
1710	1.23
2170	1.53

High Band Port VSWR S22



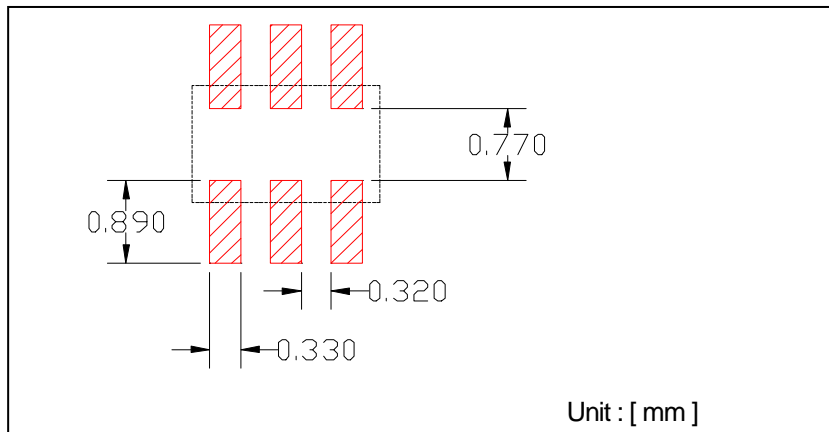
Frequency [MHz]	VSWR [dB]
1710	1.20
2170	1.51

Low Band Port VSWR S33



Frequency [MHz]	VSWR [dB]
824	1.23
960	1.05

LAND PATTERN



Note: This document is PRELIMINARY. All specifications are subject to change and are not guaranteed.