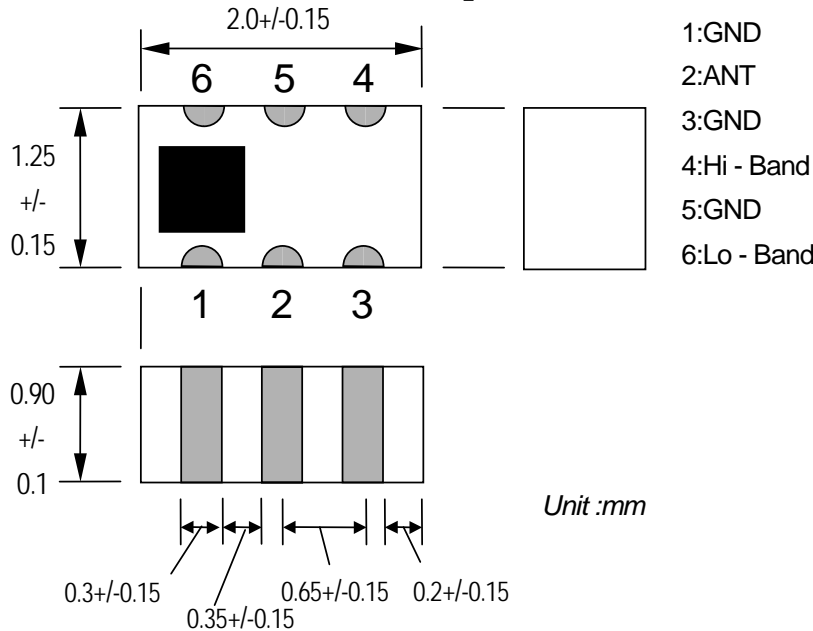


MULTILAYER DIPLEXER SPECIFICATION

P/N: **DPX202690DT-4049A2**

[MECHANICAL DIMENSIONS]



[ELECTRICAL CHARACTERISTICS] at 25 degC

No.	PARAMETER	FREQ (MHz)	SPEC		Typical value Value	UNIT
			Min.	Max.		
1	Insertion Loss(Lo – Band Port)	704 - 960	-	-	0.24	dB
2	Insertion Loss(Hi – Band Port)	1710 - 2690	-	-	0.83	dB
3	Attenuation(Hi – Band Port)	704 - 960	-	-	20.4	dB
4	Attenuation(Lo – Band Port)	1710 - 2690	-	-	16.8	dB
5	VSWR (Lo-Band Port)	704 - 960	-	-	1.29	-
6	VSWR (Hi-Band Port)	1710 - 2690	-	-	2.13	-

[TEMPERATURE RANGE]

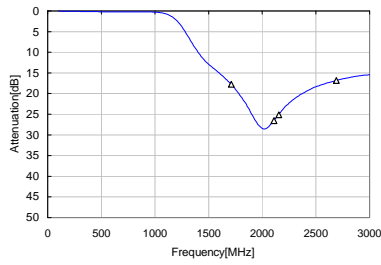
Storage Temperature	-40 ~ +85 °C
Operation Temperature	-40 ~ +85 °C

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

[FREQUENCY RESPONSE]

Lo-Band Port

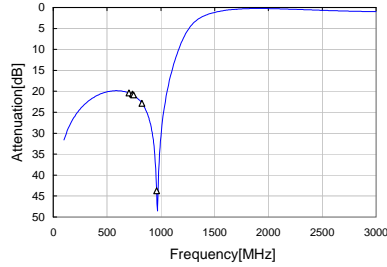
S21



Attenuation	
1710 MHz	17.71 dB
2110 MHz	26.56 dB
2155 MHz	25.15 dB
2690 MHz	16.83 dB

Hi-Band Port

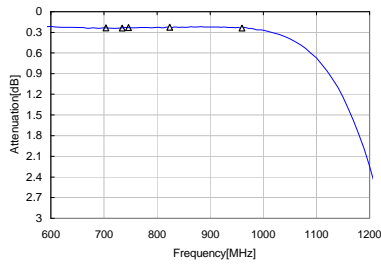
S31



Attenuation	
704 MHz	20.40 dB
734 MHz	20.69 dB
746 MHz	20.88 dB
824 MHz	22.85 dB
960 MHz	43.72 dB

Lo-Band Port

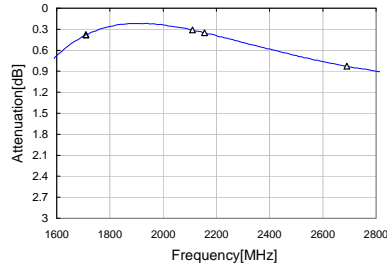
S21



Insertion Loss	
704 MHz	0.237 dB
734 MHz	0.238 dB
746 MHz	0.231 dB
824 MHz	0.228 dB
960 MHz	0.237 dB

Hi-Band Port

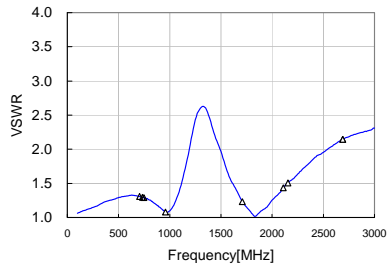
S31



Insertion Loss	
1710 MHz	0.380 dB
2110 MHz	0.310 dB
2155 MHz	0.351 dB
2690 MHz	0.828 dB

Common Port VSWR

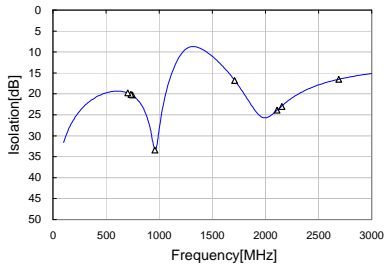
S11



704 MHz	1.31
734 MHz	1.30
746 MHz	1.29
960 MHz	1.08
1710 MHz	1.23
2110 MHz	1.44
2155 MHz	1.51
2690 MHz	2.14

Isolation

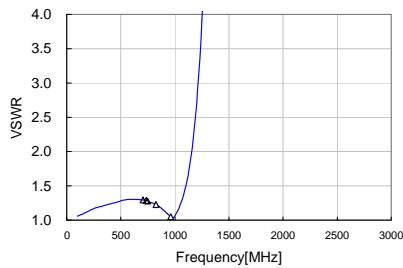
S23



704 MHz	19.8 dB
734 MHz	20.1 dB
746 MHz	20.2 dB
960 MHz	33.4 dB
1710 MHz	16.8 dB
2110 MHz	23.9 dB
2155 MHz	23.0 dB
2690 MHz	16.5 dB

Lo-Band Port VSWR

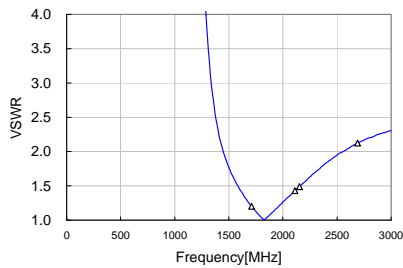
S22



704 MHz	1.29
734 MHz	1.29
746 MHz	1.28
824 MHz	1.23
960 MHz	1.05

Hi-Port VSWR

S33

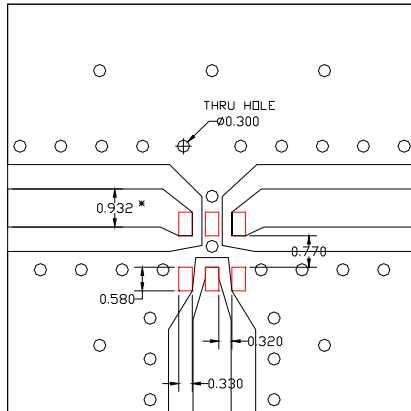


1710 MHz	1.20
2110 MHz	1.43
2155 MHz	1.49
2690 MHz	2.13

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UNDER DEVELOPMENT

[Recommended PCB Pattern]



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