

Multilayer Diplexers

For GPS & 2.4GHz Bluetooth

DPX Series

Type: **DPX162500DT-8014A1 (1.6×0.8×0.6mm)**
 DPX162500DT-8114C1 (1.6×0.8×0.6mm)

Issue date: November 2010

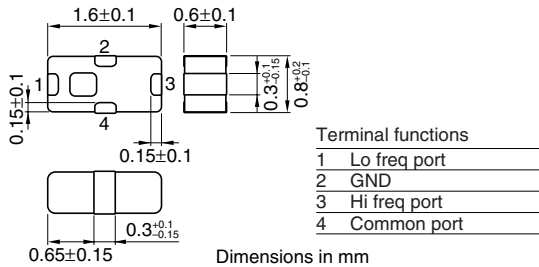
- All specifications are subject to change without notice.
 - Conformity to RoHS Directive: This means that, in conformity with EU Directive 2002/95/EC, lead, cadmium, mercury, hexavalent chromium, and specific bromine-based flame retardants, PBB and PBDE, have not been used, except for exempted applications.
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Multilayer Chip Diplexers For GPS/2.4GHz Bluetooth

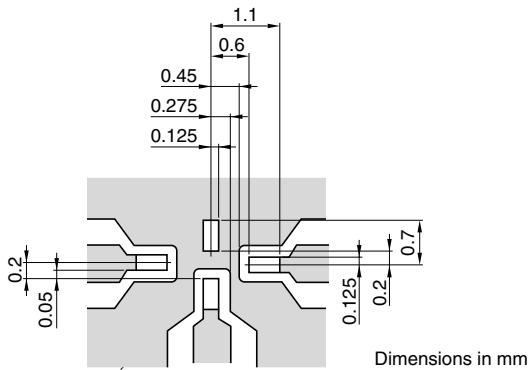
Conformity to RoHS Directive

DPX Series DPX162500DT-8014A1

SHAPES AND DIMENSIONS



RECOMMENDED PC BOARD PATTERNS



ELECTRICAL CHARACTERISTICS

Item	Port	Frequency range	Minimum value	Typical value	Maximum value	
Insertion loss	ANT-Lo	[25°C]	1565 to 1585MHz	(dB)	—	0.65
	ANT-Lo	[-40 to +85°C]	1565 to 1585MHz	(dB)	—	0.75
	ANT-Hi	[25°C]	2400 to 2500MHz	(dB)	—	0.8
	ANT-Hi	[-40 to +85°C]	2400 to 2500MHz	(dB)	—	0.9
Attenuation	ANT-Lo	2400 to 2500MHz	(dB)	20.0	—	—
	ANT-Hi	1565 to 1585MHz	(dB)	20.0	—	—
VSWR	Lo	1565 to 1585MHz	—	—	2.0	
	Hi	2400 to 2500MHz	—	—	2.0	
	ANT	1565 to 1585MHz	—	—	2.0	
	ANT	2400 to 2500MHz	—	—	2.0	
Input power			(W)	—	—	3.0
Temperature range	Operating		(°C)	-40	—	+85
	Storage		(°C)	-40	—	+85

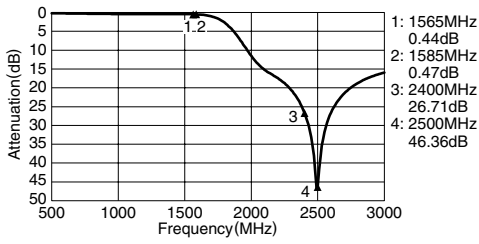
• Ta: +25±5°C

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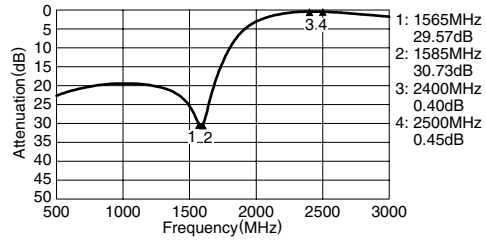
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FREQUENCY CHARACTERISTICS

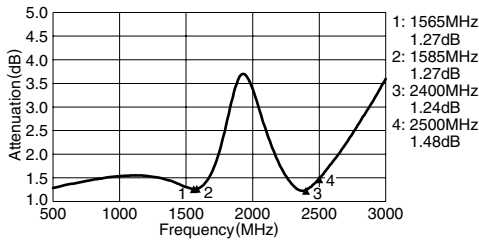
Lo-BAND PORT S21



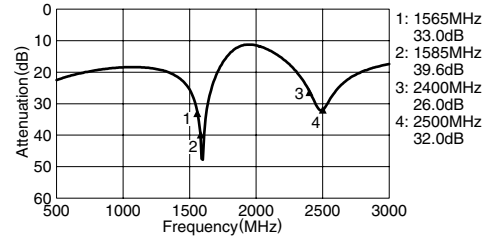
Hi-BAND PORT S31



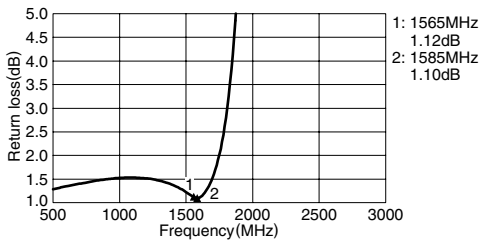
COMMON PORT VSWR S11



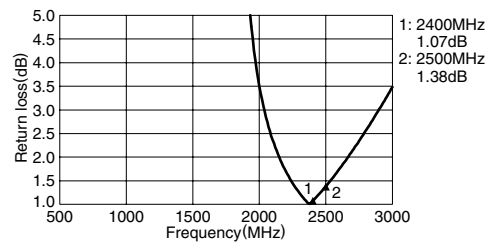
ISOLATION S23



Lo-BAND PORT VSWR S22



Hi-PORT VSWR S33



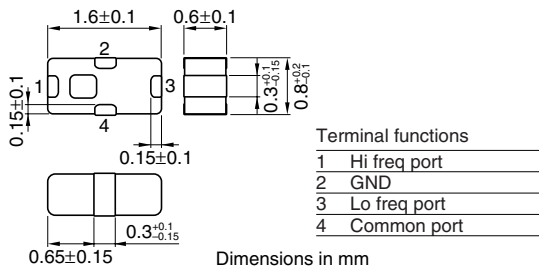
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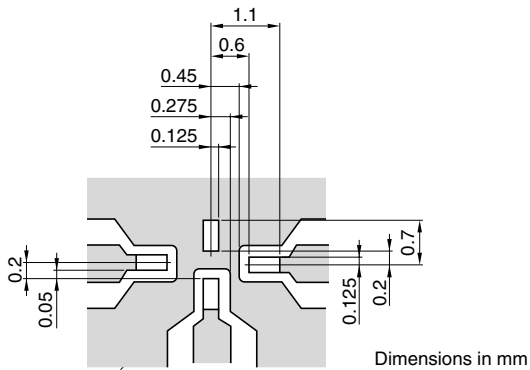
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DPX Series DPX162500DT-8114C1

SHAPES AND DIMENSIONS



RECOMMENDED PC BOARD PATTERNS



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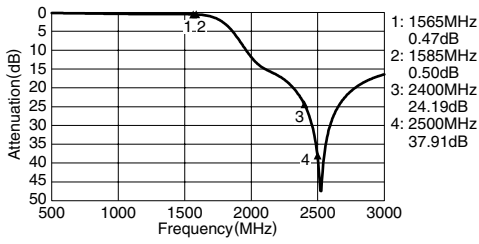
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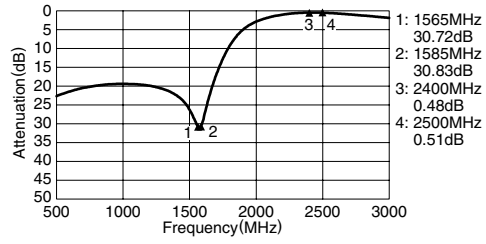
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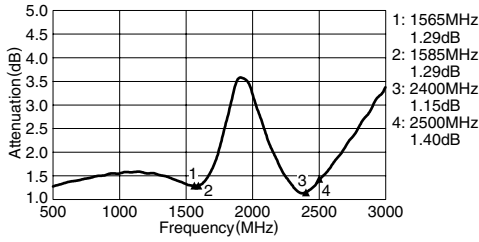
Lo-BAND PORT S21



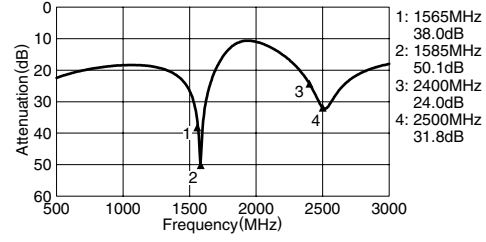
Hi-BAND PORT S31



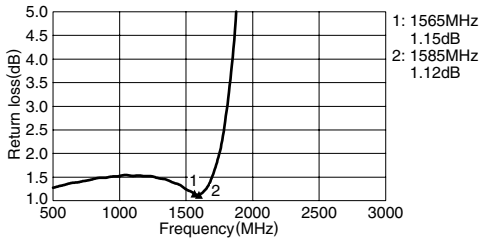
COMMON PORT VSWR S11



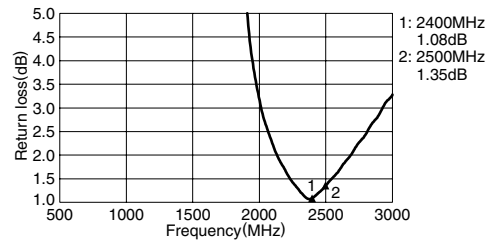
ISOLATION S23



Lo-BAND PORT VSWR S22



Hi-PORT VSWR S33



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