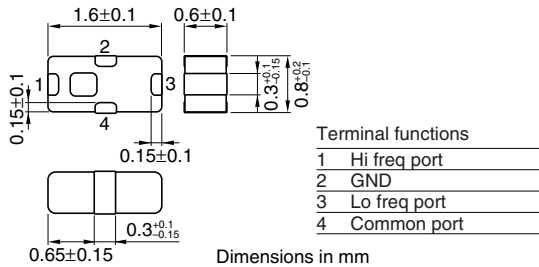


Multilayer Chip Diplexers For GPS/2.4GHz Bluetooth

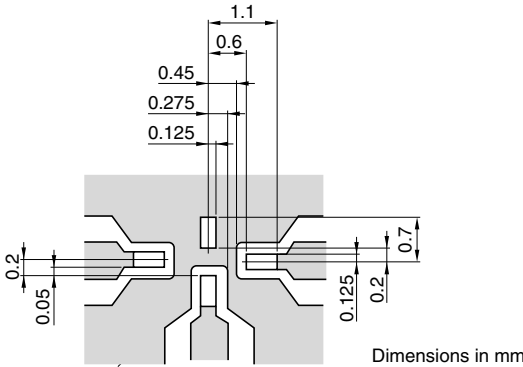
Conformity to RoHS Directive

DPX Series DPX162500DT-8114C1

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

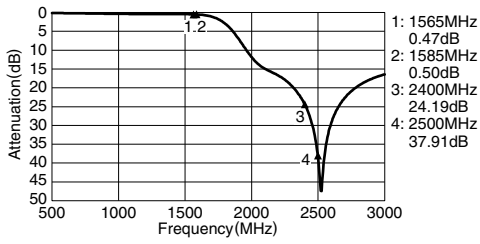
• Ta: +25±5°C

• 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.

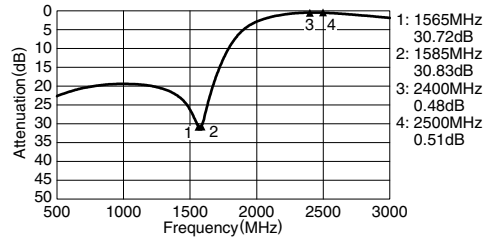
• All specifications are subject to change without notice.

FREQUENCY CHARACTERISTICS

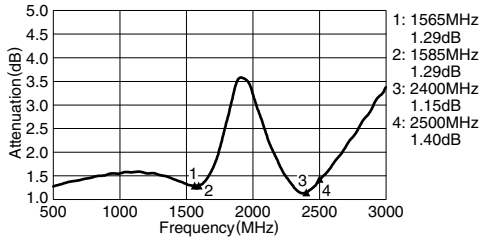
Lo-BAND PORT S21



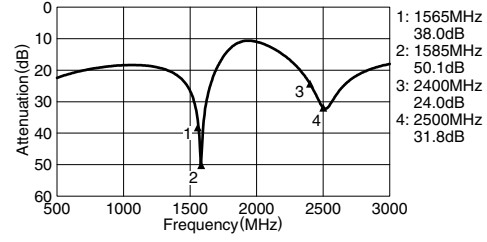
Hi-BAND PORT S31



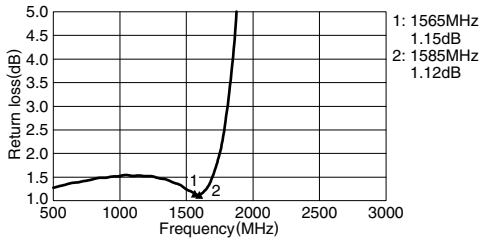
COMMON PORT VSWR S11



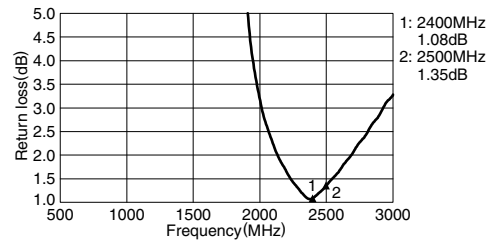
ISOLATION S23



Lo-BAND PORT VSWR S22



Hi-PORT VSWR S33



• All specifications are subject to change without notice.