

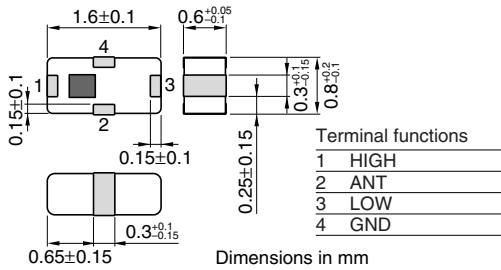
Multilayer Chip Diplexers

For 2.4/5GHz W-LAN

Conformity to RoHS Directive

DPX Series DPX165850DT-8117A1

SHAPES AND DIMENSIONS



ELECTRICAL CHARACTERISTICS

Item	Port	Frequency range	Minimum value	Typical value	Maximum value
Insertion loss	ANT-LOW	2400 to 2500MHz	(dB) —	0.27	0.4
	ANT-HIGH	4900 to 5850MHz	(dB) —	0.45	0.6
Attenuation	ANT-LOW	4900 to 5850MHz	(dB) 20.0	23.5	—
	ANT-HIGH	2400 to 2500MHz	(dB) 20.0	36.5	—
VSWR	ANT	2400 to 2500MHz	—	1.25	1.6
	ANT	4900 to 5850MHz	—	1.55	1.9
	LOW	2400 to 2500MHz	—	1.23	1.6
	HIGH	4900 to 5850MHz	—	1.56	1.9
Temperature range	Operating	(°C)	-40	—	+85
	Storage	(°C)	-40	—	+85

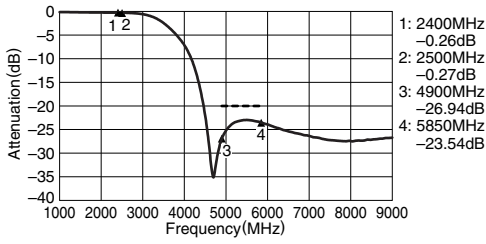
• Ta: +25±5°C

• 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.

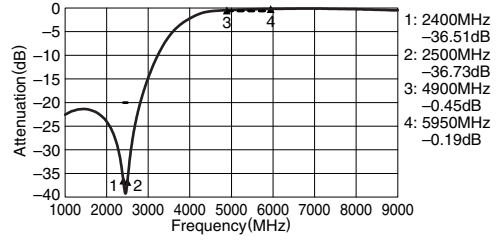
• All specifications are subject to change without notice.

FREQUENCY CHARACTERISTICS

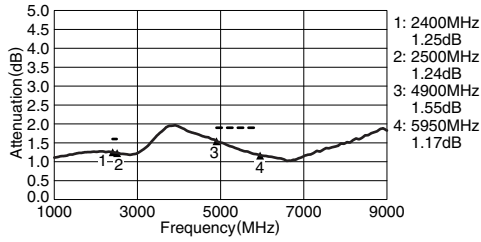
Lo-BAND PORT S21



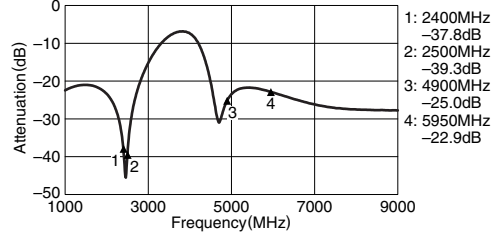
Hi-BAND PORT S31



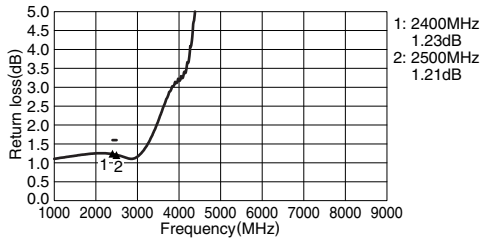
COMMON PORT VSWR S11



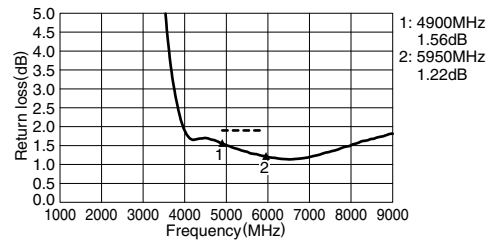
ISOLATION S23



Lo-BAND PORT VSWR S22



Hi-PORT VSWR S33



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