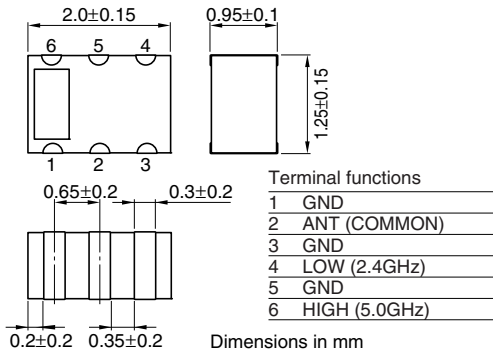


Multilayer Chip Diplexers For 2.4/5GHz W-LAN

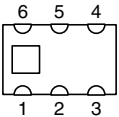
Conformity to RoHS Directive

DPX Series DPX205950DT-9108A1

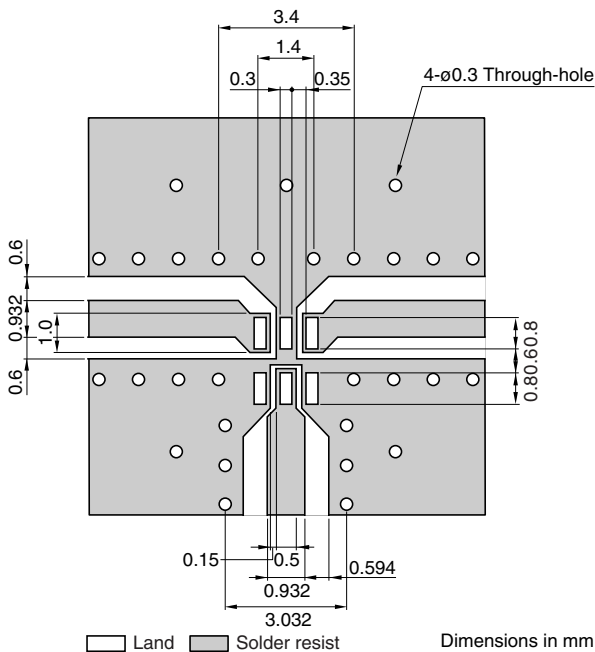
SHAPES AND DIMENSIONS



CIRCUIT DIAGRAM



RECOMMENDED PC BOARD PATTERNS



Line width be designed to match 50Ω characteristic impedance depending on PCB material and thickness.

- 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.

ELECTRICAL CHARACTERISTICS

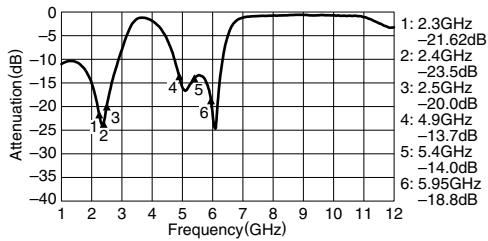
Item	Port	Frequency range	Minimum value	Typical value	Maximum value
Insertion loss	ANT-LOW	[25±5°C]	2300 to 2500MHz (dB)	—	0.65
		[-40 to +85°C]	2300 to 2500MHz (dB)	—	0.8
	ANT-HIGH	[25±5°C]	4900 to 5950MHz (dB)	—	1.4
		[-40 to +85°C]	4900 to 5950MHz (dB)	—	1.6
Attenuation	ANT-LOW	4600 to 5000MHz (dB)	20	—	—
		6900 to 7500MHz (dB)	20	—	—
	ANT-HIGH	2300 to 2500MHz (dB)	20	—	—
Return loss	ANT	2300 to 2500MHz (dB)	10	—	—
	ANT	4900 to 5950MHz (dB)	9	—	—
	LOW	2400 to 2500MHz (dB)	10	—	—
	HIGH	4900 to 5950MHz (dB)	9	—	—
Temperature range	Operating	(°C)	-40	—	+85
	Storage	(°C)	-40	—	+85

• Ta: +25°C

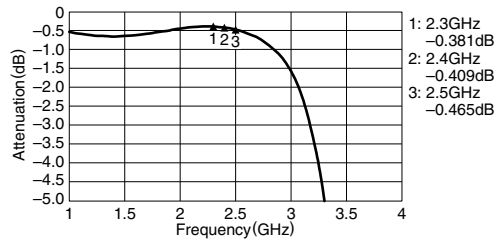
FREQUENCY CHARACTERISTICS

ANT-LOW

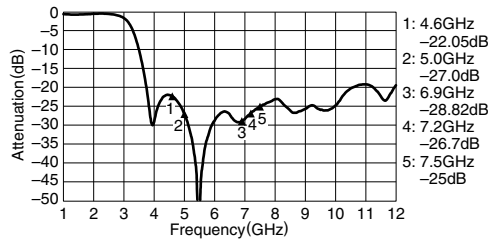
S11



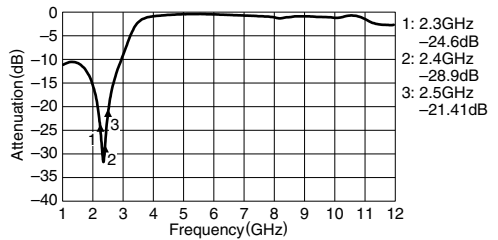
S21



S21

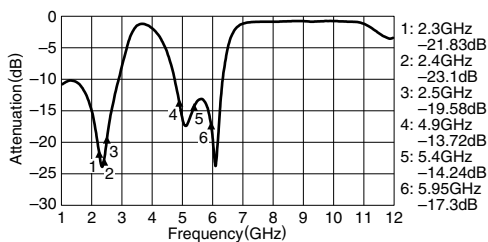


S22

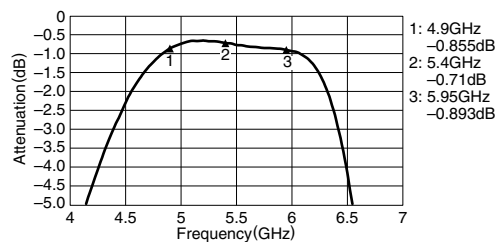


ANT-HIGH

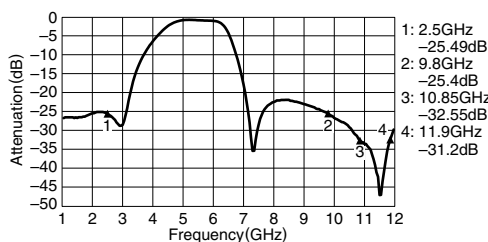
S11



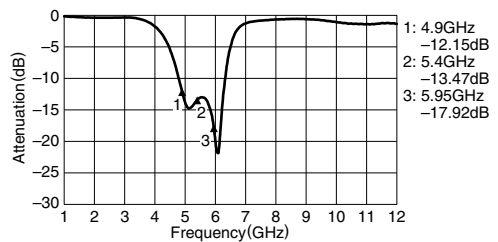
S21



S21



S22



• All specifications are subject to change without notice.