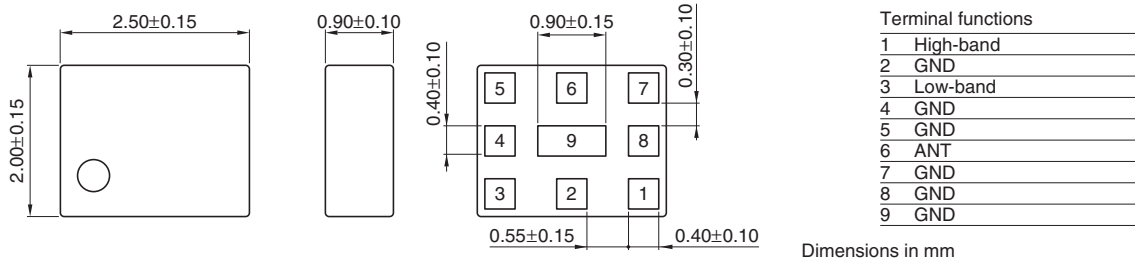


Multilayer Chip Diplexers For GPS/2.4GHz Bluetooth

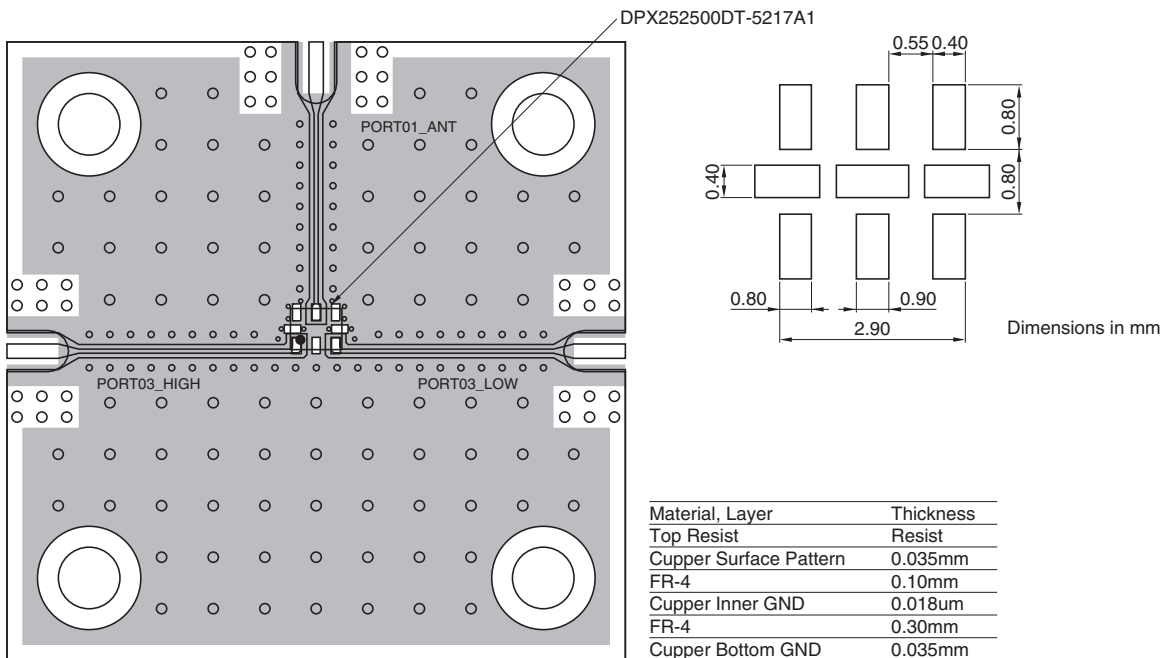
Conformity to RoHS Directive

DPX Series DPX252500DT-5217A1

SHAPES AND DIMENSIONS



RECOMMENDED PC BOARD PATTERNS



ELECTRICAL CHARACTERISTICS

Item	Frequency range	Minimum value	Typical value	Maximum value
Low-Band				
Insertion loss	[+25°C]	1572 to 1578MHz	(dB) —	0.4
	[-40 to +85°C]	1572 to 1578MHz	(dB) —	0.80
VSWR	1572 to 1578MHz	—	1.2	2.0
Attenuation	2400 to 2500MHz	(dB) 25	33	—
High-Band				
Insertion loss	[+25°C]	2400 to 2500MHz	(dB) —	2.1
	[-40 to +85°C]	2400 to 2500MHz	(dB) —	3.0
VSWR	2400 to 2500MHz	—	1.2	2.0
Attenuation	700 to 960MHz	(dB) 35	40	—
	1572 to 1578MHz	(dB) 35	39	—
	1710 to 1990MHz	(dB) 33	37	—
	2110 to 2170MHz	(dB) 25	31	—
	4800 to 5000MHz	(dB) 35	41	—
	7200 to 7500MHz	(dB) 35	54	—
Temperature range	9600 to 10000MHz	(dB) 25	42	—
	Operating	(°C) -40	—	+85
	Storage	(°C) -40	—	+85

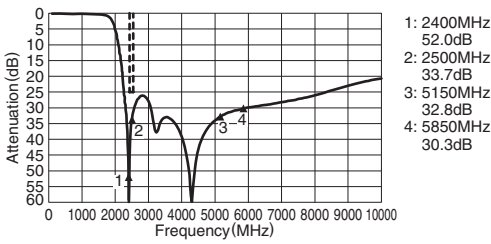
• Ta: +25°C

• 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.

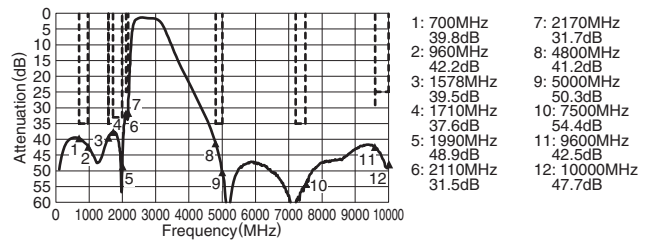
• All specifications are subject to change without notice.

FREQUENCY CHARACTERISTICS

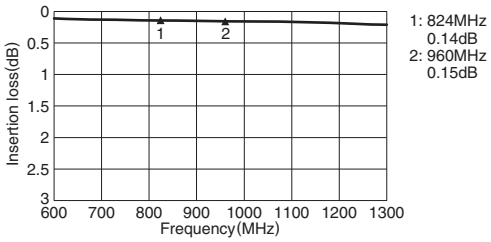
Low-BAND PORT ATTENUATION S21



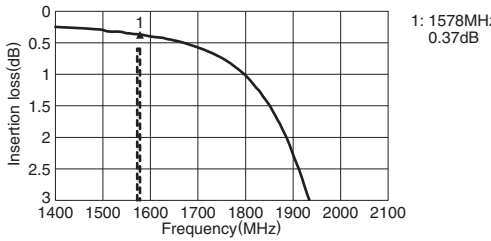
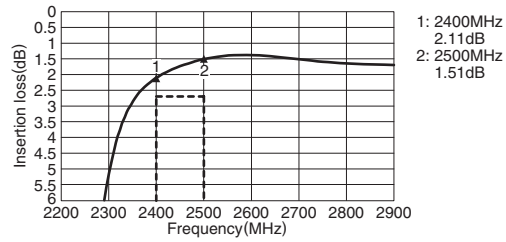
High-BAND PORT ATTENUATION S31



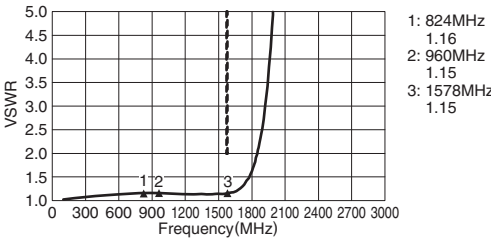
Low-BAND PORT INSERTION LOSS S21



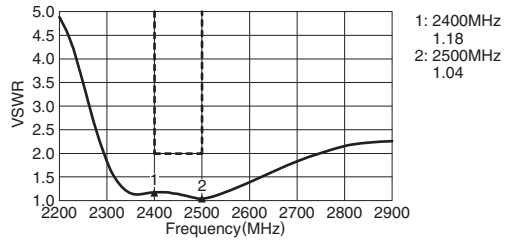
High-BAND PORT INSERTION LOSS S31



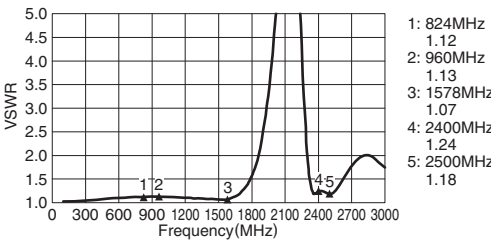
Low-BAND PORT VSWR S22



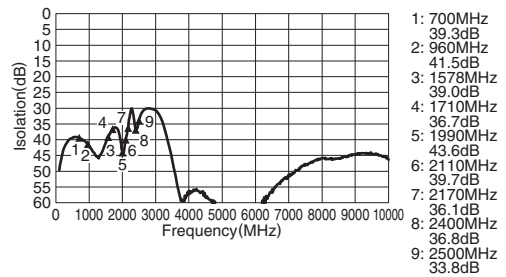
High-BAND PORT VSWR S33



COMMON PORT VSWR S11



ISOLATION(Low - High) S23



• All specifications are subject to change without notice.