

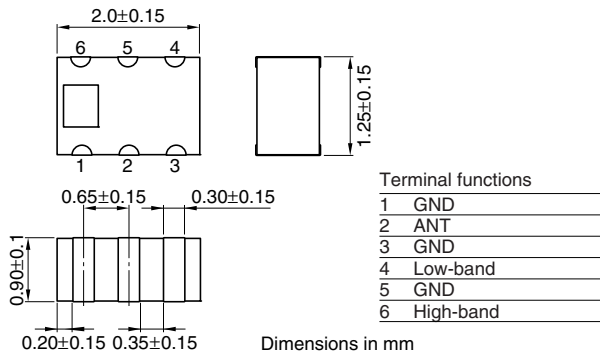
Multilayer Chip Diplexers

For GSM & WCDMA800/DCS/PCS & WCDMA1900

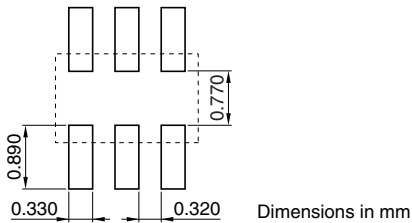
Conformity to RoHS Directive

DPX Series DPX202170DT-4149A1

SHAPES AND DIMENSIONS



RECOMMENDED PC BOARD PATTERNS



ELECTRICAL CHARACTERISTICS

Item	Port	Frequency range	Minimum value	Typical value	Maximum value
Insertion loss	Low-Band	824 to 960MHz (dB)	—	—	0.3
	High-Band	1710 to 2170MHz (dB)	—	—	0.5
Attenuation	High-Band	824-960MHz (dB)	20	—	—
	Low-Band	1710-2170MHz (dB)	15	—	—
VSWR	ANT	824 to 960MHz	—	—	1.5
	ANT	1710 to 2170MHz	—	—	1.7
	Low-Band	824 to 960MHz	—	—	1.5
	High-Band	1710 to 2170MHz	—	—	1.7
Temperature range	Operating	(°C)	−40	—	+85
	Storage	(°C)	−40	—	+85

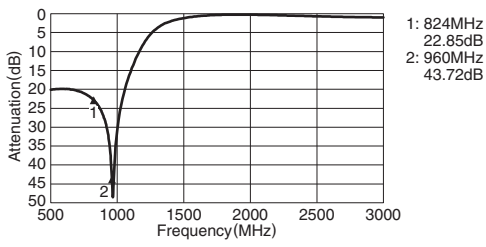
• Ta: +25°C

• 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.

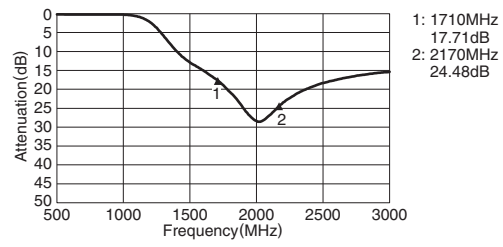
• All specifications are subject to change without notice.

FREQUENCY CHARACTERISTICS

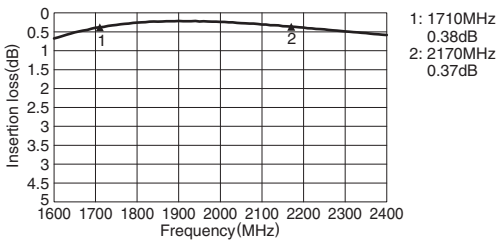
High-BAND PORT ATTENUATION S21



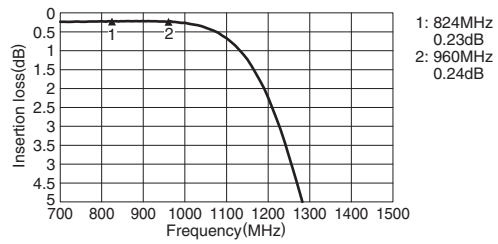
Low-BAND PORT ATTENUATION S31



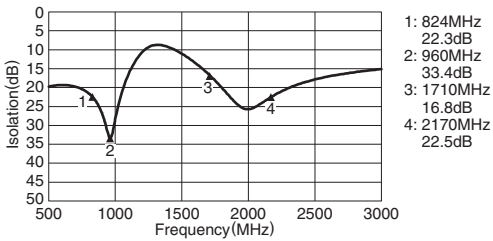
High-BAND PORT INSERTION LOSS S21



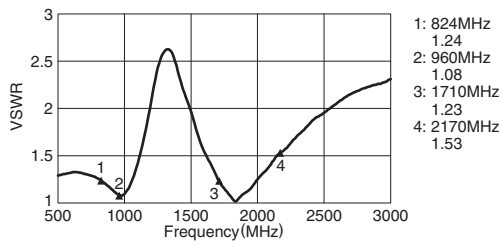
Low-BAND PORT INSERTION LOSS S31



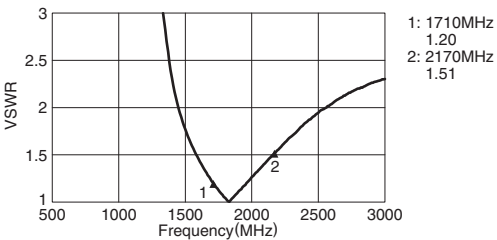
ISOLATION S32



COMMON PORT VSWR S11



High-BAND PORT VSWR S22



Low-BAND PORT VSWR S33

