

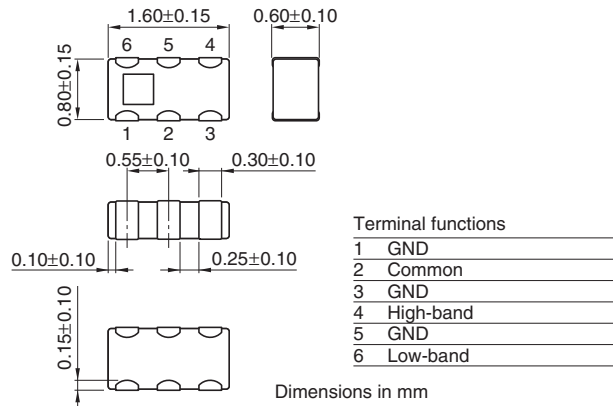
Multilayer Chip Diplexers

For AGSM/EGSM-DCS/PCS/WCDMA

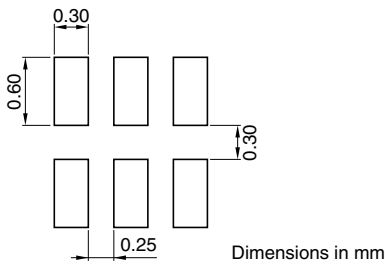
Conformity to RoHS Directive

DPX Series DPX162170DT-8022B1

SHAPES AND DIMENSIONS



RECOMMENDED PC BOARD PATTERNS



ELECTRICAL CHARACTERISTICS

Item		Frequency range		Minimum value	Typical value	Maximum value
Low-Band						
Insertion loss	[+25°C]	704 to 960MHz	(dB)	—	0.36	0.5
	[-40 to +85°C]	704 to 960MHz	(dB)	—	—	0.70
Attenuation		1710 to 2170MHz	(dB)	15	21.0	—
VSWR		704 to 960MHz		—	1.28	1.5
High-Band						
Insertion loss	[+25°C]	1710 to 1990MHz	(dB)	—	0.52	0.70
		2110 to 2170MHz	(dB)	—	0.38	0.60
	[-40 to +85°C]	1710 to 1990MHz	(dB)	—	—	0.90
		2110 to 2170MHz	(dB)	—	—	0.80
Attenuation		824 to 960MHz	(dB)	20.0	26.3	—
VSWR		1710 to 1990MHz		—	1.33	1.7
		2110 to 2170MHz		—	1.32	1.7
Temperature range		Operating	(°C)	-40	—	+85
		Storage	(°C)	-40	—	+85

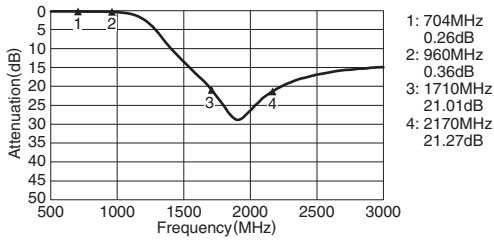
• Ta: +25±5°C

• 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.

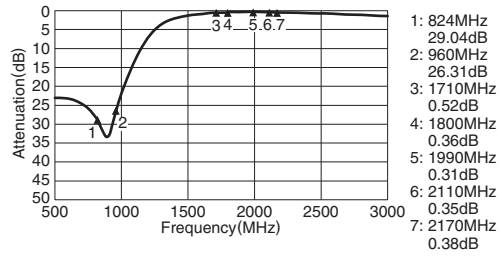
• All specifications are subject to change without notice.

FREQUENCY CHARACTERISTICS

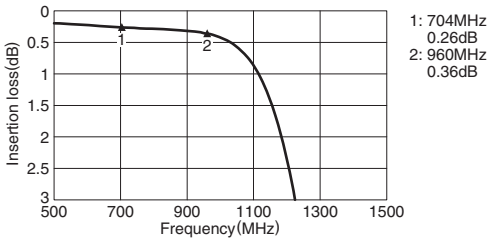
Low-BAND PORT



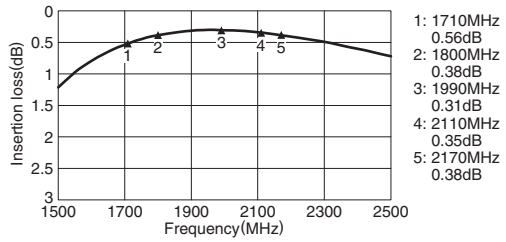
High-BAND PORT



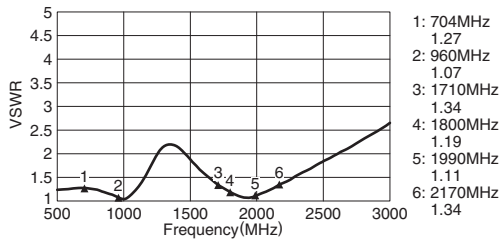
Low-BAND PORT



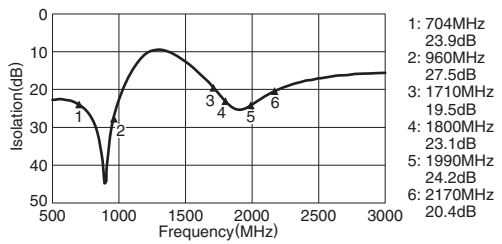
High-BAND PORT



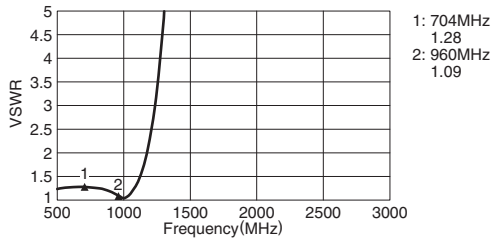
COMMON PORT VSWR



ISOLATION



Low-BAND PORT VSWR



High-BAND PORT VSWR

