

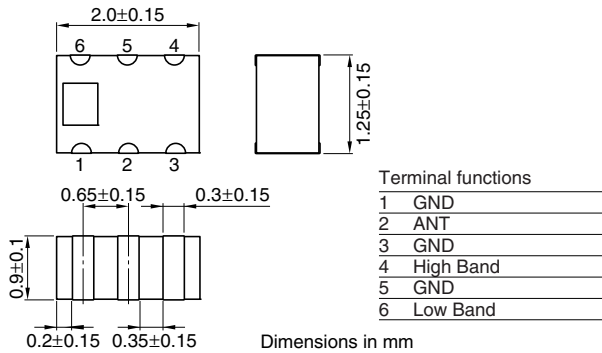
# Multilayer Chip Diplexers

## For GSM & WCDMA800/DCS/PCS & WCDMA1900

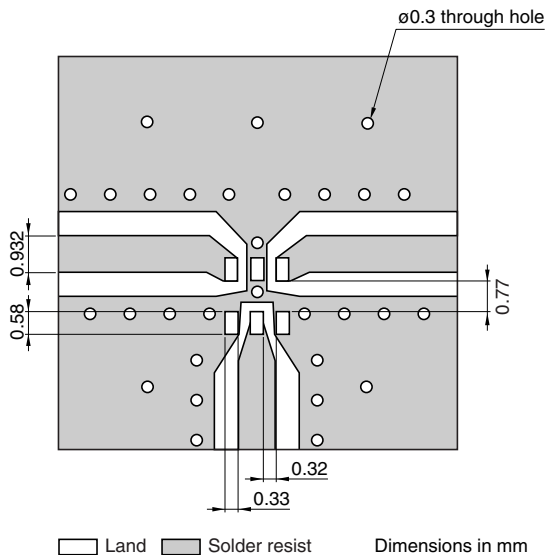
Conformity to RoHS Directive

DPX Series DPX202170DT-4049A1

### SHAPES AND DIMENSIONS



### RECOMMENDED PC BOARD PATTERNS



### ELECTRICAL CHARACTERISTICS

Item	Port	Frequency range		Minimum value	Typical value	Maximum value
Insertion loss	Lo-band	824 to 960MHz	(dB)	—	0.24	0.30
	Hi-band	1710 to 2170MHz	(dB)	—	0.38	0.50
Attenuation	Lo-band	1710 to 2170MHz	(dB)	15	17.7	—
	Hi-band	824 to 960MHz	(dB)	20	22.8	—
VSWR	ANT	824 to 960MHz		—	1.24	1.5
	ANT	1710 to 2170MHz		—	1.53	1.7
	Lo-band	824 to 960MHz		—	1.23	1.5
	Hi-band	1710 to 2170MHz		—	1.51	1.7
Temperature range	Operating		(°C)	-40	—	+85
	Storage		(°C)	-40	—	+85

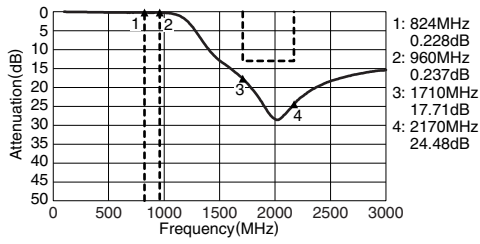
• Ta: +25°C

• 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.

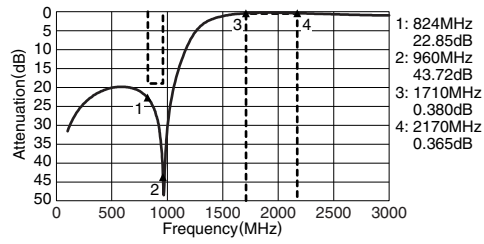
• All specifications are subject to change without notice.

### FREQUENCY CHARACTERISTICS

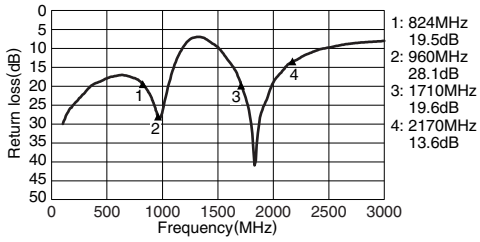
#### Lo-BAND PORT ATTENUATION S21



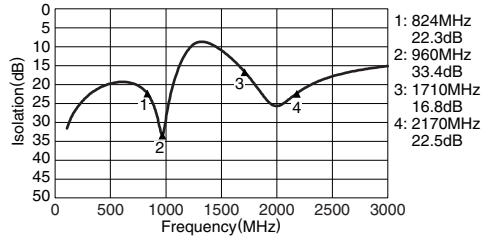
#### Hi-BAND PORT ATTENUATION S31



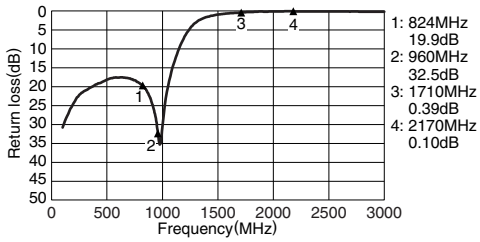
#### COMMON PORT RETURN LOSS S11



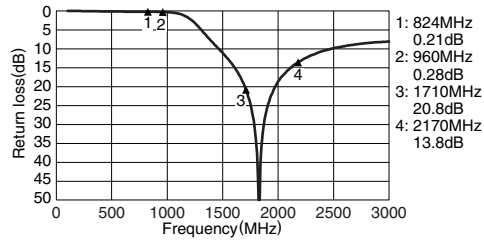
#### ISOLATION S23



#### Lo-BAND PORT RETURN LOSS S22



#### Hi-PORT RETURN LOSS S33



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