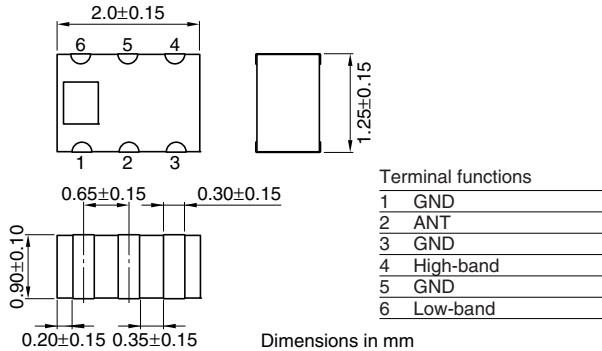


Multilayer Chip Diplexers For UMTS & LTE

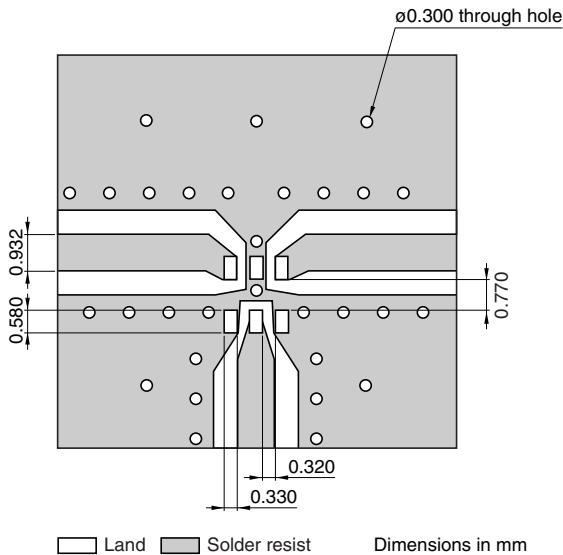
Conformity to RoHS Directive

DPX Series DPX202690DT-4049A2

SHAPES AND DIMENSIONS



RECOMMENDED PC BOARD PATTERNS



ELECTRICAL CHARACTERISTICS

Item	Port	Frequency range	Minimum value	Typical value	Maximum value
Insertion loss	Low-Band	704 to 960MHz (dB)	—	0.24	0.30
		1710 to 2170MHz (dB)	—	0.38	0.50
	High-Band	2170 to 2690MHz (dB)	—	0.83	1.20
Attenuation	Low-Band	1710 to 2170MHz (dB)	15	17.7	—
		2170 to 2690MHz (dB)	13	16.8	—
	High-Band	704 to 824MHz (dB)	17	20.4	—
		824 to 960MHz (dB)	20	22.8	—
		704 to 824MHz	—	1.31	1.7
VSWR	ANT	824 to 960MHz	—	1.24	1.5
		1710 to 2170MHz	—	1.53	1.7
		2170 to 2690MHz	—	2.14	2.5
		704 to 824MHz	—	1.29	1.7
	Low-Band	824 to 960MHz	—	1.23	1.5
		1710 to 2170MHz	—	1.51	1.7
	High-Band	2170 to 2690MHz	—	2.13	2.5
Power capacity		(dBm)	—	—	+35
Temperature range	Operating	(°C)	−40	—	+85
	Storage	(°C)	−40	—	+85

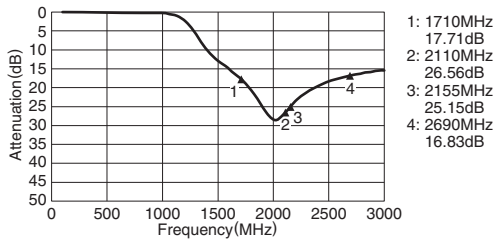
• Ta: +25°C

• 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.

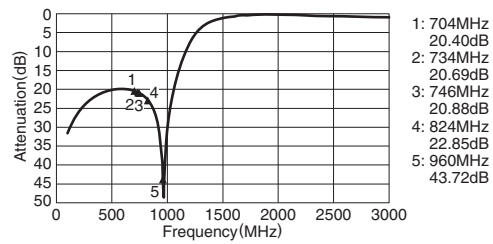
• All specifications are subject to change without notice.

FREQUENCY CHARACTERISTICS

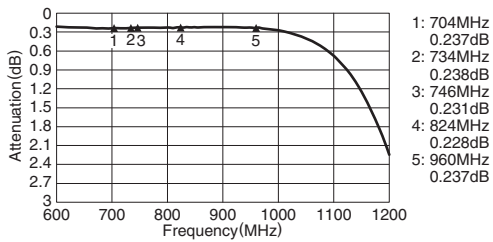
Low-BAND PORT S21



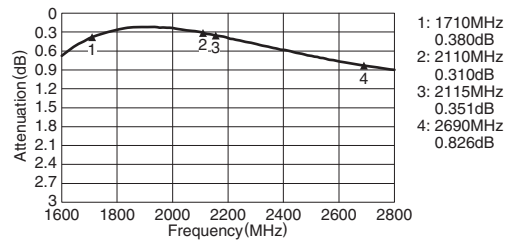
High-BAND PORT S31



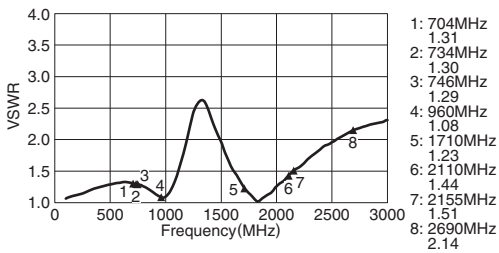
Low-BAND PORT S21



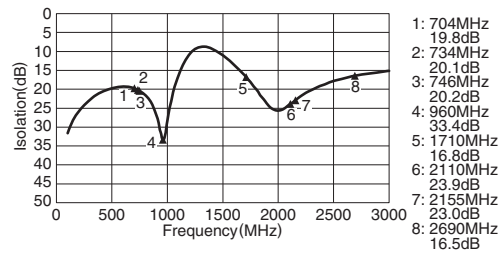
High-BAND PORT S31



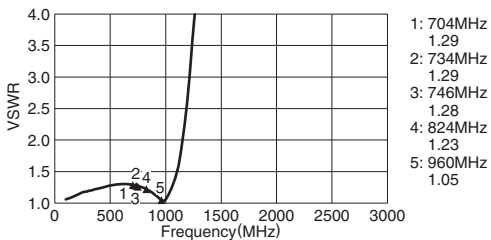
COMMON PORT VSWR S11



ISOLATION S23



Low-BAND PORT VSWR S22



High-BAND PORT VSWR S33

