

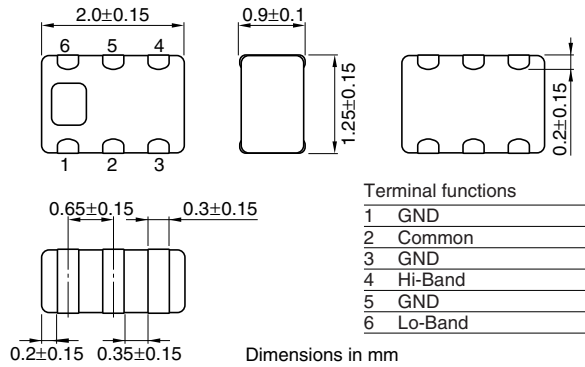
Multilayer Chip Diplexers

GSM & WCDMA800/GPS/DCS/PCS & WCDMA1900

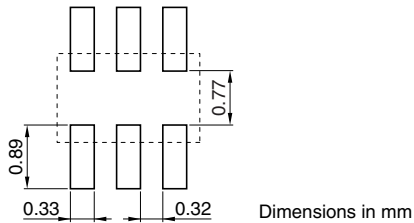
Conformity to RoHS Directive

DPX Series DPX201990DT-4051A2

SHAPES AND DIMENSIONS



RECOMMENDED PC BOARD PATTERNS



ELECTRICAL CHARACTERISTICS

Item	Port	Frequency range	Minimum value	Typical value	Maximum value
Insertion loss	[+25°C] Lo-band	800 to 945MHz (dB)	—	—	0.5
	[−40 to +85°C] Lo-band	800 to 945MHz (dB)	—	—	0.65
	[+25°C] Hi-band	1572 to 1578MHz (dB)	—	—	0.5
	[−40 to +85°C] Hi-band	1572 to 1578MHz (dB)	—	—	0.65
	[+25°C] Hi-band	1710 to 1990MHz (dB)	—	—	0.55
	[−40 to +85°C] Hi-band	1710 to 1990MHz (dB)	—	—	0.7
Attenuation and Isolation	Hi-band	800 to 945MHz (dB)	23	—	—
	Lo-band	1572 to 2000MHz (dB)	25	—	—
	Lo-band	2400 to 2700MHz (dB)	35	—	—
Input power		(W)	—	—	3
Temperature range	Operating	(°C)	−40	—	+85
	Storage	(°C)	−40	—	+85

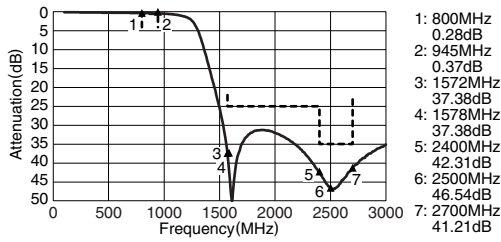
• Ta: +25°C

• 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.

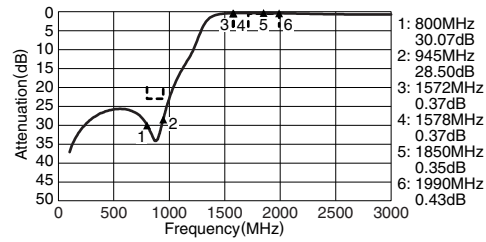
• All specifications are subject to change without notice.

FREQUENCY CHARACTERISTICS

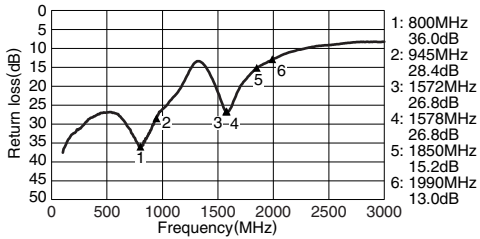
Lo-BAND PORT ATTENUATION S21



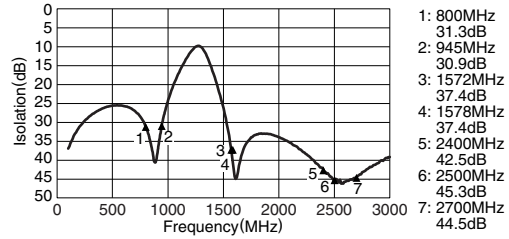
Hi-BAND PORT ATTENUATION S31



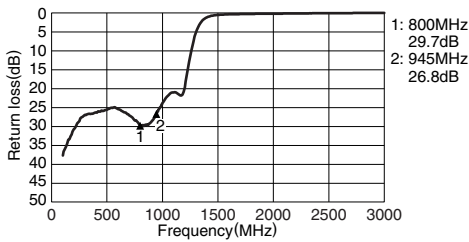
COMMON PORT RETURN LOSS S11



ISOLATION S23



Lo-BAND PORT RETURN LOSS S22



Hi-PORT RETURN LOSS S33

