

Multilayer Diplexers

For GPS & 2.4GHz Bluetooth

DPX Series

Type: **DPX162500DT-8014A1 (1.6×0.8×0.6mm)**
 DPX162500DT-8114C1 (1.6×0.8×0.6mm)

Issue date: November 2010

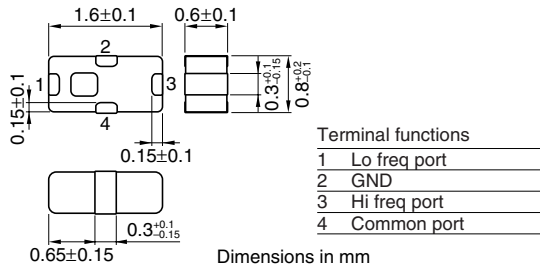
- All specifications are subject to change without notice.
 - Conformity to RoHS Directive: This means that, in conformity with EU Directive 2002/95/EC, lead, cadmium, mercury, hexavalent chromium, and specific bromine-based flame retardants, PBB and PBDE, have not been used, except for exempted applications.
-

Multilayer Chip Diplexers For GPS/2.4GHz Bluetooth

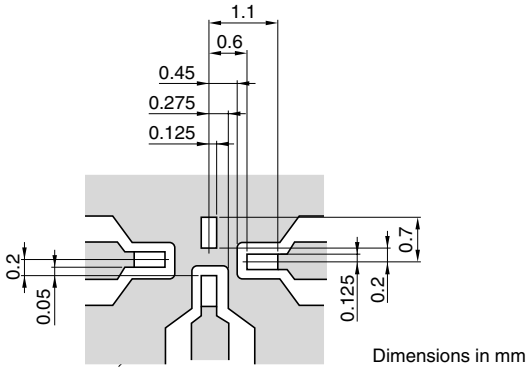
Conformity to RoHS Directive

DPX Series DPX162500DT-8014A1

SHAPES AND DIMENSIONS



RECOMMENDED PC BOARD PATTERNS



ELECTRICAL CHARACTERISTICS

Item	Port	Frequency range	Minimum value	Typical value	Maximum value
Insertion loss	ANT-Lo [25°C]	1565 to 1585MHz	(dB) —	—	0.65
	ANT-Lo [−40 to +85°C]	1565 to 1585MHz	(dB) —	—	0.75
	ANT-Hi [25°C]	2400 to 2500MHz	(dB) —	—	0.8
	ANT-Hi [−40 to +85°C]	2400 to 2500MHz	(dB) —	—	0.9
Attenuation	ANT-Lo	2400 to 2500MHz	(dB) 20.0	—	—
	ANT-Hi	1565 to 1585MHz	(dB) 20.0	—	—
VSWR	Lo	1565 to 1585MHz	—	—	2.0
	Hi	2400 to 2500MHz	—	—	2.0
	ANT	1565 to 1585MHz	—	—	2.0
	ANT	2400 to 2500MHz	—	—	2.0
Input power			(W) —	—	3.0
Temperature range			Operating (°C)	−40	+85
			Storage (°C)	−40	+85

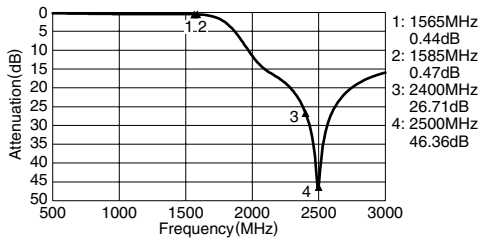
• Ta: +25±5°C

• 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.

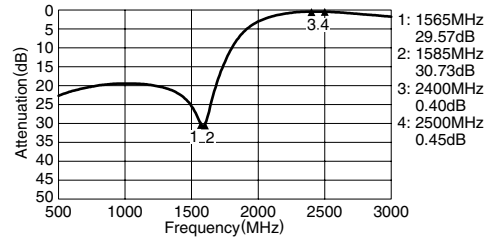
• All specifications are subject to change without notice.

FREQUENCY CHARACTERISTICS

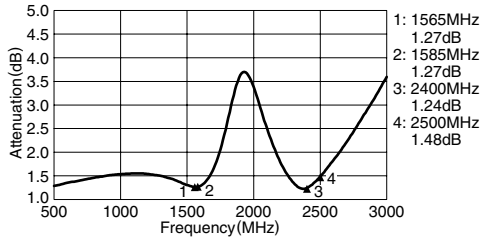
Lo-BAND PORT S21



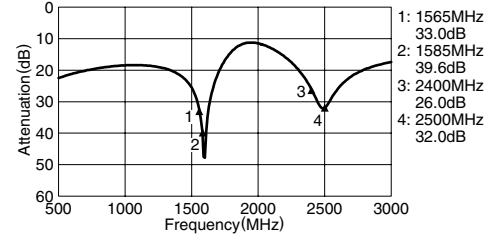
Hi-BAND PORT S31



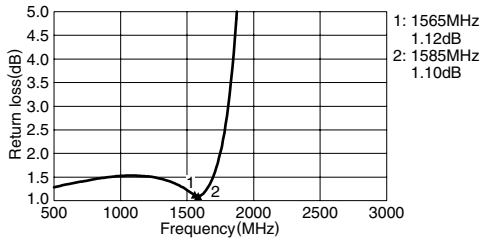
COMMON PORT VSWR S11



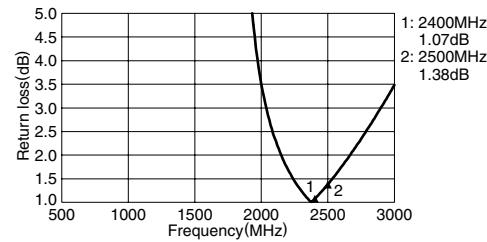
ISOLATION S23



Lo-BAND PORT VSWR S22



Hi-PORT VSWR S33

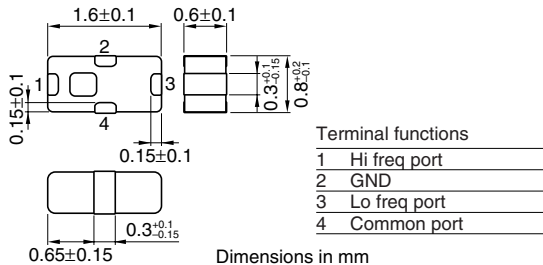


Multilayer Chip Diplexers For GPS/2.4GHz Bluetooth

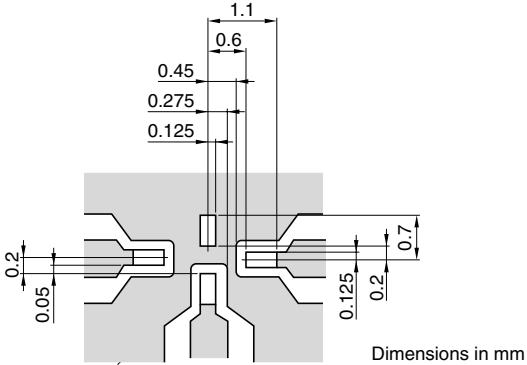
Conformity to RoHS Directive

DPX Series DPX162500DT-8114C1

SHAPES AND DIMENSIONS



RECOMMENDED PC BOARD PATTERNS



ELECTRICAL CHARACTERISTICS

Item	Port	Frequency range	Minimum value	Typical value	Maximum value
Insertion loss	ANT-Lo [25°C]	1565 to 1585MHz	(dB) —	—	0.65
	ANT-Lo [−40 to +85°C]	1565 to 1585MHz	(dB) —	—	0.75
	ANT-Hi [25°C]	2400 to 2500MHz	(dB) —	—	0.8
	ANT-Hi [−40 to +85°C]	2400 to 2500MHz	(dB) —	—	0.9
Attenuation	ANT-Lo	2400 to 2500MHz	(dB) 20.0	—	—
	ANT-Hi	1565 to 1585MHz	(dB) 20.0	—	—
VSWR	Lo	1565 to 1585MHz	—	—	2.0
	Hi	2400 to 2500MHz	—	—	2.0
	ANT	1565 to 1585MHz	—	—	2.0
	ANT	2400 to 2500MHz	—	—	2.0
Input power		(W)	—	—	3.0
Temperature range	Operating	(°C)	−40	—	+85
	Storage	(°C)	−40	—	+85

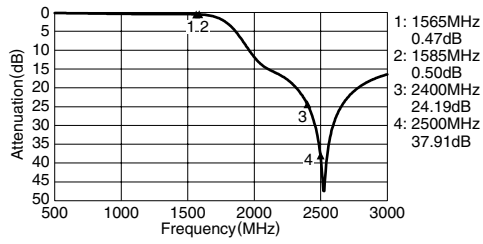
• Ta: +25±5°C

• 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.

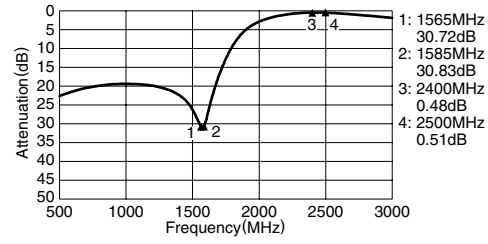
• All specifications are subject to change without notice.

FREQUENCY CHARACTERISTICS

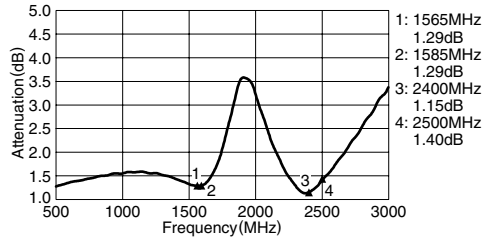
Lo-BAND PORT S21



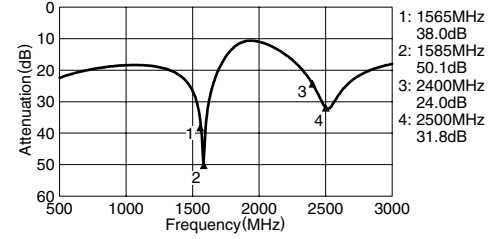
Hi-BAND PORT S31



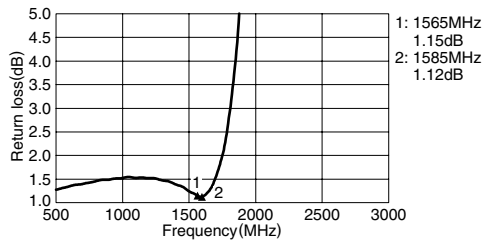
COMMON PORT VSWR S11



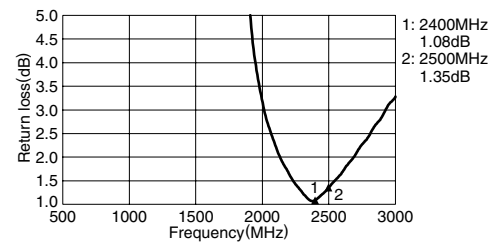
ISOLATION S23



Lo-BAND PORT VSWR S22



Hi-PORT VSWR S33



AMEYA360

Components Supply Platform

Authorized Distribution Brand :



Website :

Welcome to visit www.ameya360.com

Contact Us :

➤ Address :

401 Building No.5, JiuGe Business Center, Lane 2301, Yishan Rd
Minhang District, Shanghai , China

➤ Sales :

Direct +86 (21) 6401-6692

Email amall@ameya360.com

QQ 800077892

Skype ameyasales1 ameyasales2

➤ Customer Service :

Email service@ameya360.com

➤ Partnership :

Tel +86 (21) 64016692-8333

Email mkt@ameya360.com