

积层式双工器

2.4/5.0 GHz W-LAN用

DPX系列

Type: **DPX205950DT-9126A1 (2.0×1.25×0.6mm max.)**
 DPX205950DT-9026A1 (2.0×1.25×0.6mm max.)
 DPX205850DT-4043A1 (2.0×1.25×0.95mm)
 DPX205950DT-9008A1 (2.0×1.25×0.95mm)
 DPX205950DT-9108A1 (2.0×1.25×0.95mm)

Issue date: December 2010

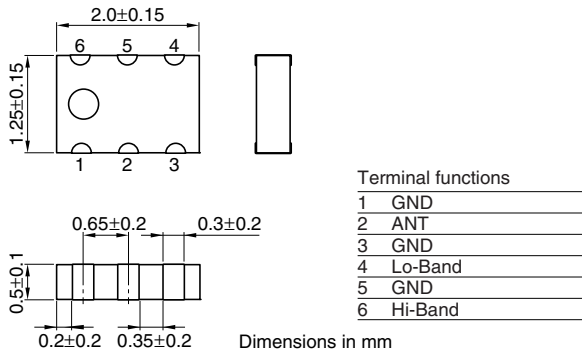
积层贴片式双工器

2.4/5GHz W-LAN用

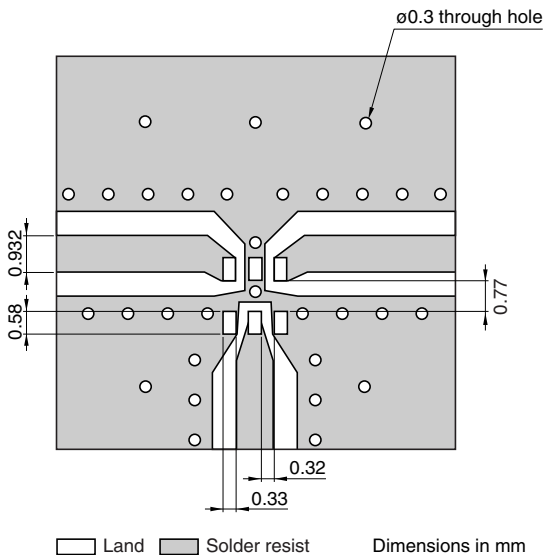
RoHS指令对应产品

DPX系列 DPX205950DT-9126A1

形状·尺寸



推荐印刷电路板图样



电气特性

项目	端口	频率范围	最小值	代表值	最大值
插入损耗	低频带	[2400 to 2500MHz]	(dB) —	0.3	0.5
	高频带	[4900 to 5950MHz]	(dB) —	0.37	0.65
回波损耗	ANT	[2400 to 2500MHz]	(dB) 10.0	18.4	—
	ANT	[4900 to 5950MHz]	(dB) 10.0	17.1	—
	Lo	[2400 to 2500MHz]	(dB) 10.0	17.1	—
	Hi	[4900 to 5950MHz]	(dB) 10.0	15.9	—
衰减量	低频带	[4800 to 5000MHz]	(dB) 20.0	36.0	—
	低频带	[7200 to 7500MHz]	(dB) 20.0	31.6	—
	高频带	[824 to 915MHz]	(dB) 20.0	26.9	—
	高频带	[1800 to 2500MHz]	(dB) 20.0	27.6	—
绝缘		[DC,2500MHz]	(dB) 20.0	25.6	—
		[4900 to 5950MHz]	(dB) 20.0	23.8	—
温度范围	工作时	(°C)	-40	—	+85
	保存时	(°C)	-40	—	+85

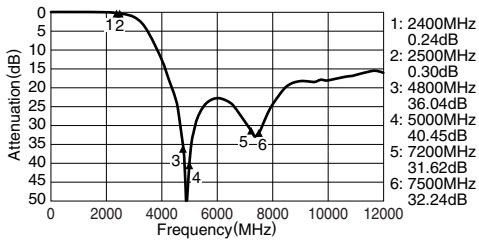
• Ta: +25°C

● RoHS 指令的对应：表示除了依据 EU Directive 2002/95/EC 免除的用途之外，未使用铅，镉，汞，六价铬及特定溴系难燃剂 PBB，PBDE 等。

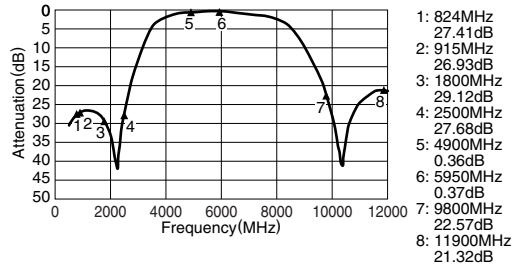
· 记载内容，在没有予告的情况下有可能改进和变更，请予以谅解。

频率特性

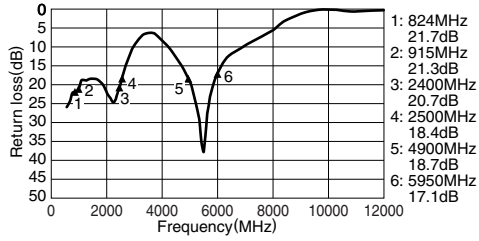
低频带端口 S31



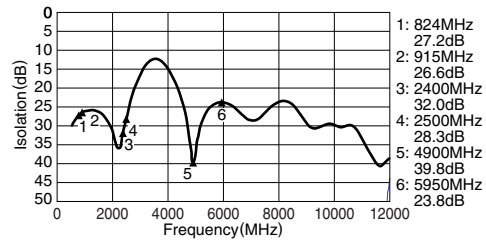
高频带端口 S21



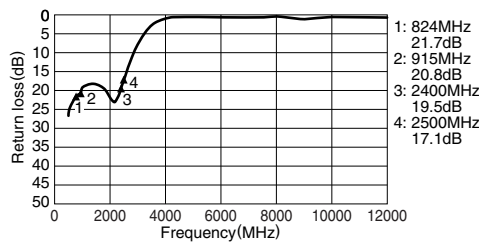
共用端口回波损耗 S11



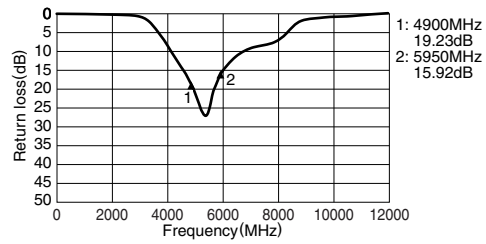
绝缘 S23



低频带端口回波损耗 S33



高端口回波损耗 S22



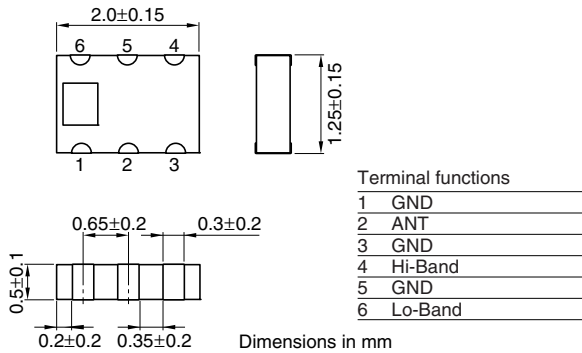
积层贴片式双工器

2.4/5GHz W-LAN用

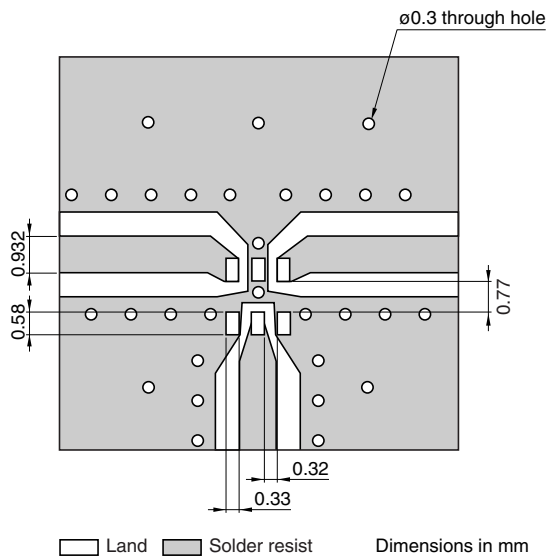
RoHS指令对应产品

DPX系列 DPX205950DT-9026A1

形状·尺寸



推荐印刷电路板图样



电气特性

项目	端口	频率范围	最小值	代表值	最大值
插入损耗	低频带	[2400 to 2500MHz]	(dB) —	0.39	0.50
	高频带	[4900 to 5950MHz]	(dB) —	0.39	0.65
回波损耗	ANT	[2400 to 2500MHz]	(dB) 10	16.5	—
		[4900 to 5950MHz]	(dB) 10	17.2	—
	Lo	[2400 to 2500MHz]	(dB) 10	15.5	—
		[4900 to 5950MHz]	(dB) 10	17.0	—
衰减量	低频带	[4800 to 5000MHz]	(dB) 20	34.7	—
		[7200 to 7500MHz]	(dB) 20	25.2	—
	高频带	[824 to 915MHz]	(dB) 20	26.9	—
		[1800 to 2500MHz]	(dB) 20	26.2	—
绝缘		[9800 to 11900MHz]	(dB) 15	20.6	—
		[DC to 2500MHz]	(dB) 20	25.6	—
		[4900 to 5950MHz]	(dB) 20	25.0	—
温度范围	工作时	(°C)	-40	—	+85
	保存时	(°C)	-40	—	+85

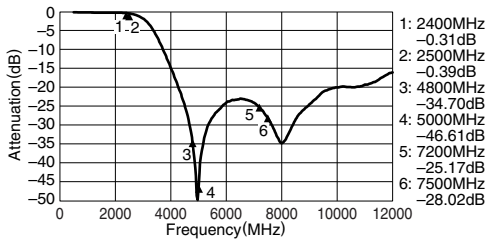
• Ta: +25°C

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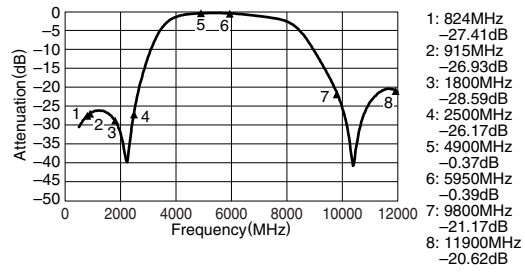
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频率特性

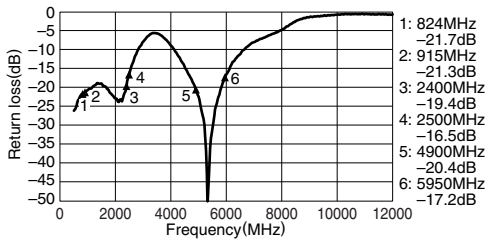
低频带端口 S21



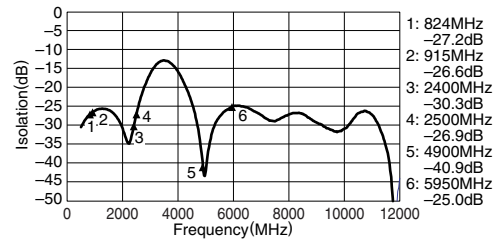
高频带端口 S31



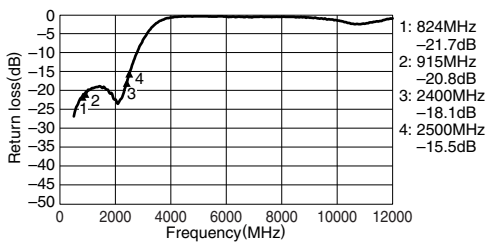
共用端口回波损耗 S11



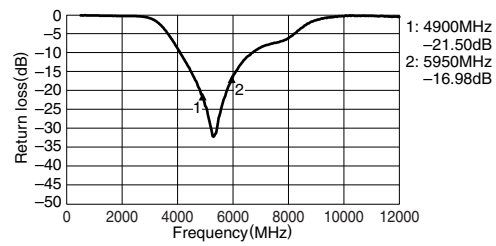
绝缘 S23



低频带端口回波损耗 S22



高端口回波损耗 S33



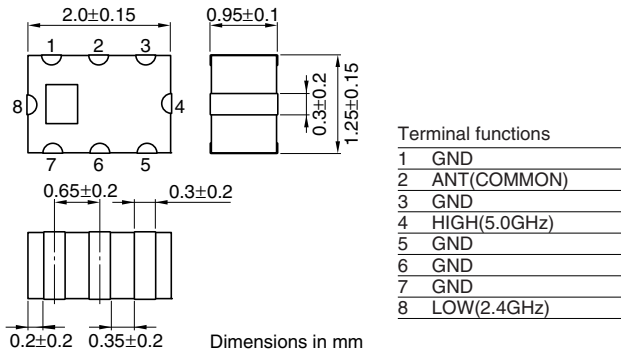
积层贴片式双工器

2.4/5GHz W-LAN用

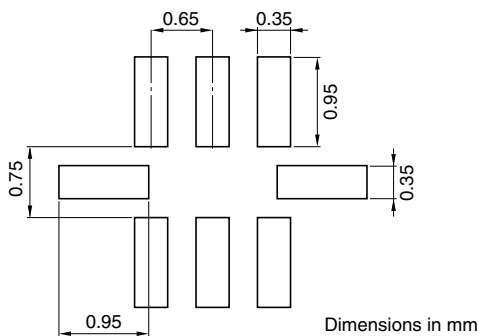
RoHS指令对应产品

DPX系列 DPX205850DT-4043A1

形状·尺寸



推荐印刷电路板图样



电气特性

项目	端口	频率范围	最小值	代表值	最大值
插入损耗	ANT-LOW	[2400 to 2500MHz]	(dB) —	0.28	0.50
	ANT-HIGH	[4900 to 5850MHz]	(dB) —	0.45	0.75
衰减量	ANT-LOW	[4900 to 5850MHz]	(dB) 17.0	22.9	—
	ANT-HIGH	[2400 to 2500MHz]	(dB) 21.0	33.0	—
回波损耗	ANT	[2400 to 2500MHz]	(dB) 12.0	17.5	—
	ANT	[4900 to 5850MHz]	(dB) 11.0	16.7	—
	LOW	[2400 to 2500MHz]	(dB) 12.0	18.9	—
功率容量	HIGH	[4900 to 5850MHz]	(dB) 11.0	16.2	—
			(W) —	—	3
温度范围		工作时	(°C) -40	—	+85
		保存时	(°C) -40	—	+85

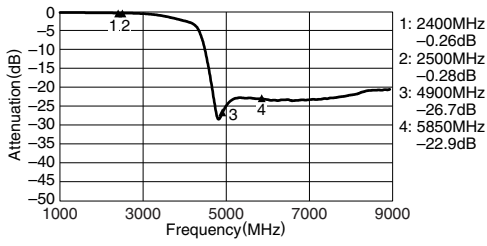
· Ta: 25±5°C

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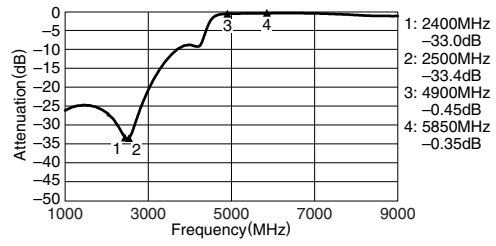
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频率特性

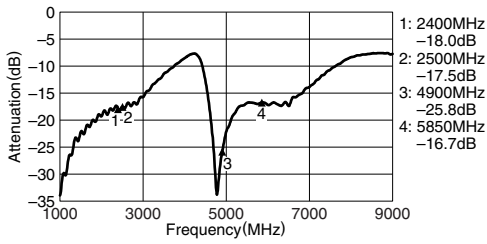
低频带端口 S21



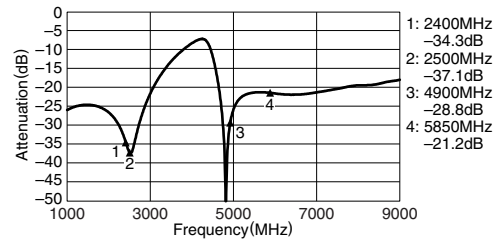
高频带端口 S31



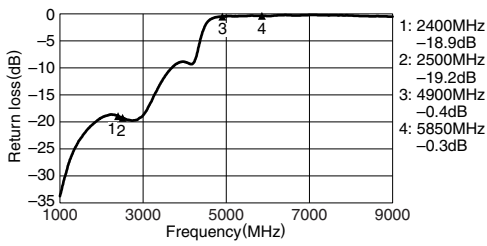
共用端口回波损耗 S11



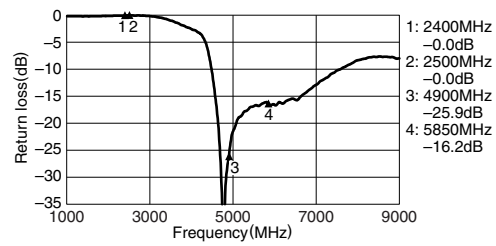
绝缘 S23



低频带端口回波损耗 S22



高端口回波损耗 S33

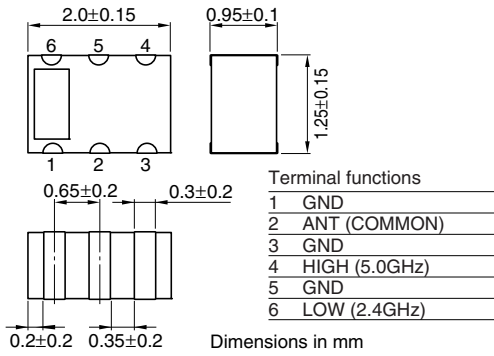


积层贴片式双工器 2.4/5GHz W-LAN用

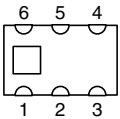
RoHS指令对应产品

DPX系列 DPX205950DT-9008A1

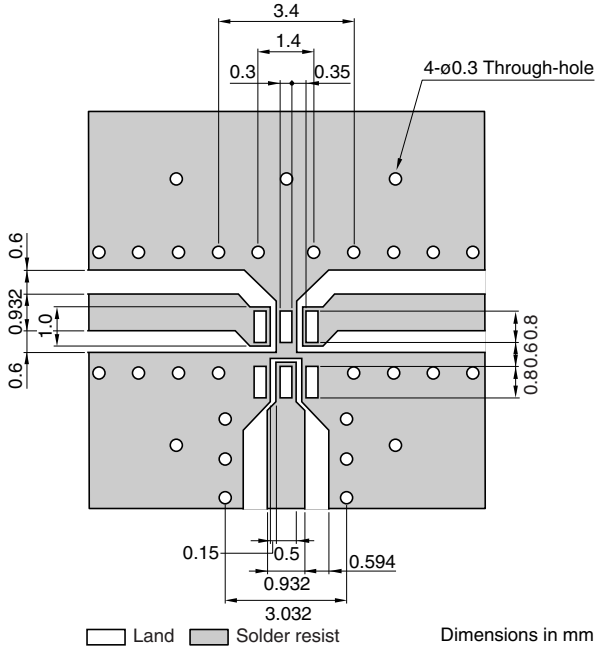
形状·尺寸



电路图



推荐印刷电路板图样



Line width be designed to match 50Ω characteristic impedance depending on PCB material and thickness.

● RoHS 指令的对应: 表示除了依据 EU Directive 2002/95/EC 免除的用途之外, 未使用铅, 镉, 汞, 六价铬及特定溴系难燃剂 PBB, PBDE 等。

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电气特性

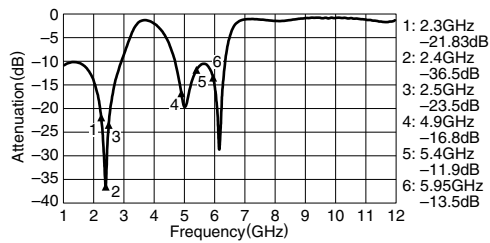
项目	端口	温度	频率范围	单位	最小值	代表值	最大值
插入损耗	ANT-LOW	[25±5°C]	2300 to 2500MHz	(dB)	—	—	0.65
		[-40 to +85°C]	2300 to 2500MHz	(dB)	—	—	0.8
	ANT-HIGH	[25±5°C]	4900 to 5950MHz	(dB)	—	—	1.4
		[-40 to +85°C]	4900 to 5950MHz	(dB)	—	—	1.6
衰减量	ANT-LOW		4600 to 5000MHz	(dB)	20	—	—
			6900 to 7500MHz	(dB)	20	—	—
	ANT-HIGH		2300 to 2500MHz	(dB)	20	—	—
回波损耗	ANT		2300 to 2500MHz	(dB)	10	—	—
	ANT		4900 to 5950MHz	(dB)	9	—	—
	LOW		2400 to 2500MHz	(dB)	10	—	—
	HIGH		4900 to 5950MHz	(dB)	9	—	—
温度范围		工作时	(°C)		-40	—	+85
		保存时	(°C)		-40	—	+85

· Ta:+25°C

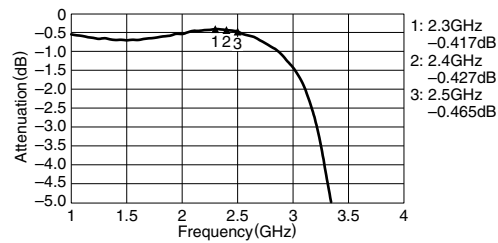
频率特性

ANT-LOW

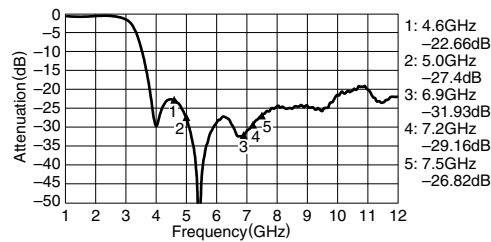
S11



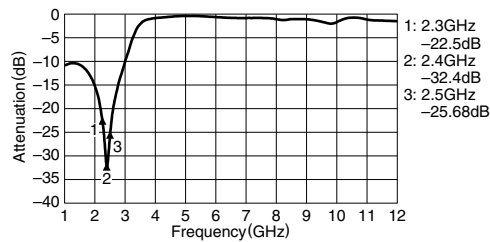
S21



S21

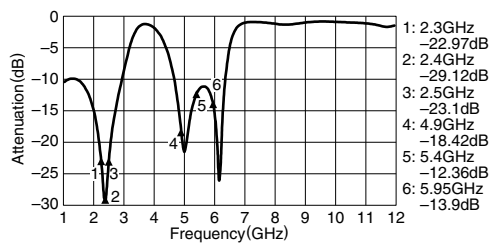


S22

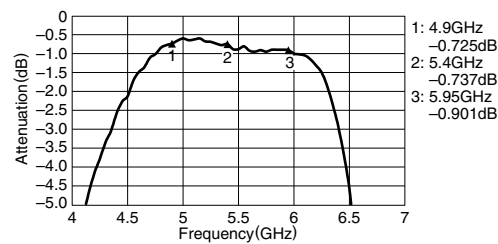


ANT-HIGH

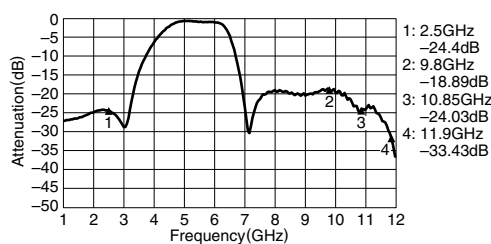
S11



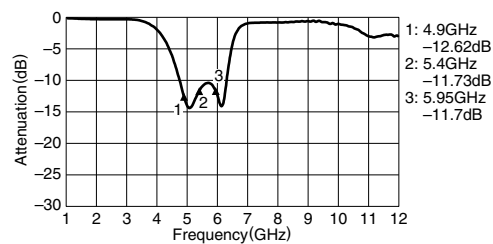
S21



S21



S22



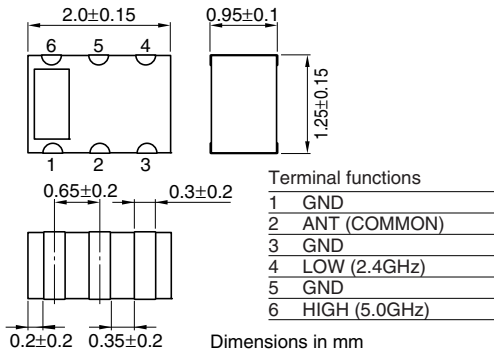
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积层贴片式双工器 2.4/5GHz W-LAN用

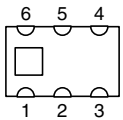
RoHS指令对应产品

DPX系列 DPX205950DT-9108A1

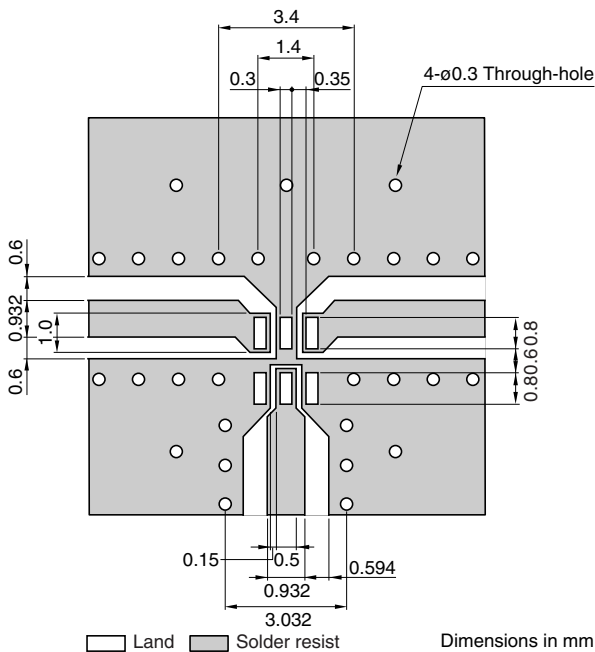
形状·尺寸



电路图



推荐印刷电路板图样



Line width be designed to match 50Ω characteristic impedance depending on PCB material and thickness.

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电气特性

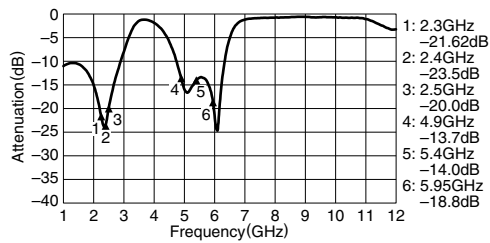
项目	端口	温度	频率范围	单位	最小值	代表值	最大值
插入损耗	ANT-LOW	[25±5°C]	2300 to 2500MHz	(dB)	—	—	0.65
		[-40 to +85°C]	2300 to 2500MHz	(dB)	—	—	0.8
	ANT-HIGH	[25±5°C]	4900 to 5950MHz	(dB)	—	—	1.4
		[-40 to +85°C]	4900 to 5950MHz	(dB)	—	—	1.6
衰减量	ANT-LOW		4600 to 5000MHz	(dB)	20	—	—
			6900 to 7500MHz	(dB)	20	—	—
	ANT-HIGH		2300 to 2500MHz	(dB)	20	—	—
回波损耗	ANT		2300 to 2500MHz	(dB)	10	—	—
	ANT		4900 to 5950MHz	(dB)	9	—	—
	LOW		2400 to 2500MHz	(dB)	10	—	—
	HIGH		4900 to 5950MHz	(dB)	9	—	—
温度范围		工作时	(°C)		-40	—	+85
		保存时	(°C)		-40	—	+85

· Ta: +25°C

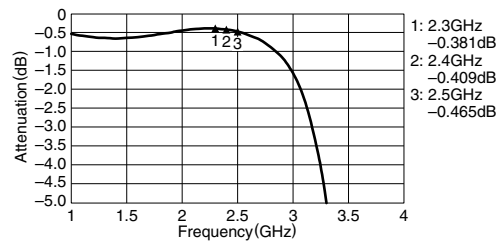
频率特性

ANT-LOW

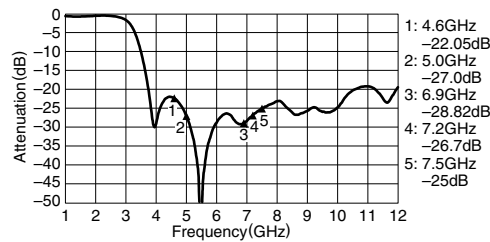
S11



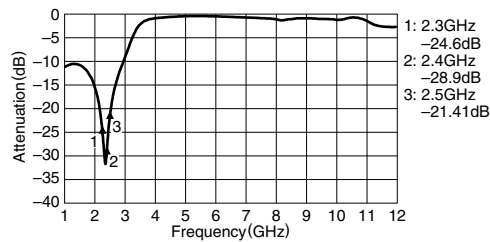
S21



S21

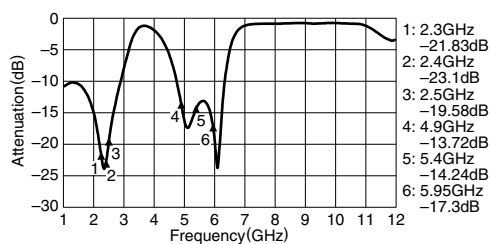


S22

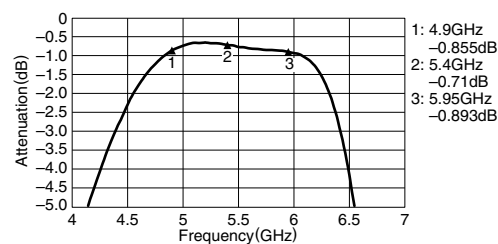


ANT-HIGH

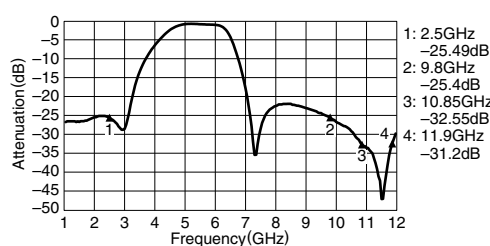
S11



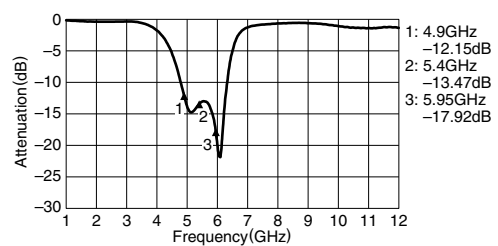
S21



S21



S22



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