

Data Sheet

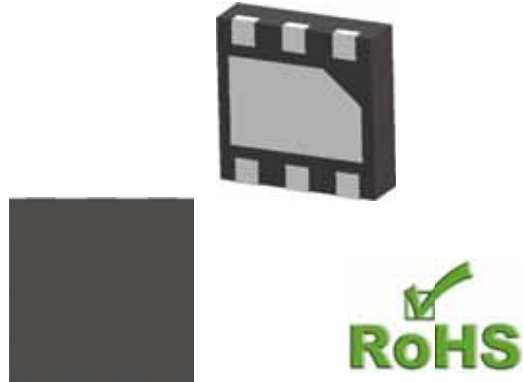
HC0925U03-020

90 Degree Hybrid
880 MHz-960 MHz



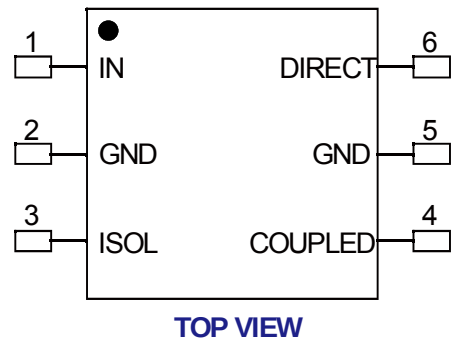
Features

- Small Size (2×2mm)
- Very Low Loss
- Tight Amplitude Balance
- High Isolation
- Low VSWR
- Good Repeatability
- Tape & Reel
- Power handling
 - 4 Watts as a divider
 - 2 Watts as a combiner



Applications

- Phase shifter / Attenuator
- Balanced amplifier / LNA configurations
- Modulators
- Mixers
- Power combining /dividing



Electrical Specifications at 25° C

Parameter	Symbol	Min	Typ	Max	Unit
Frequency Range	F	880		960	MHz
Insertion Loss (Above 3dB)	I_L		0.35	0.4	dB
Isolation	Isol	20	25		dB
Phase balance	ϕ_{bal}		± 1.5	± 2.0	deg
Amplitude balance	A_{bal}		± 0.5	± 0.75	dB
Return Loss	R_L	25	30		dB

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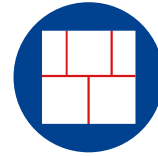
Tel : 86-755-8355-1886 Fax : 86-755-8355-2533

For detailed performance specs & shopping online see Yantel web site : www.yantel-corp.com

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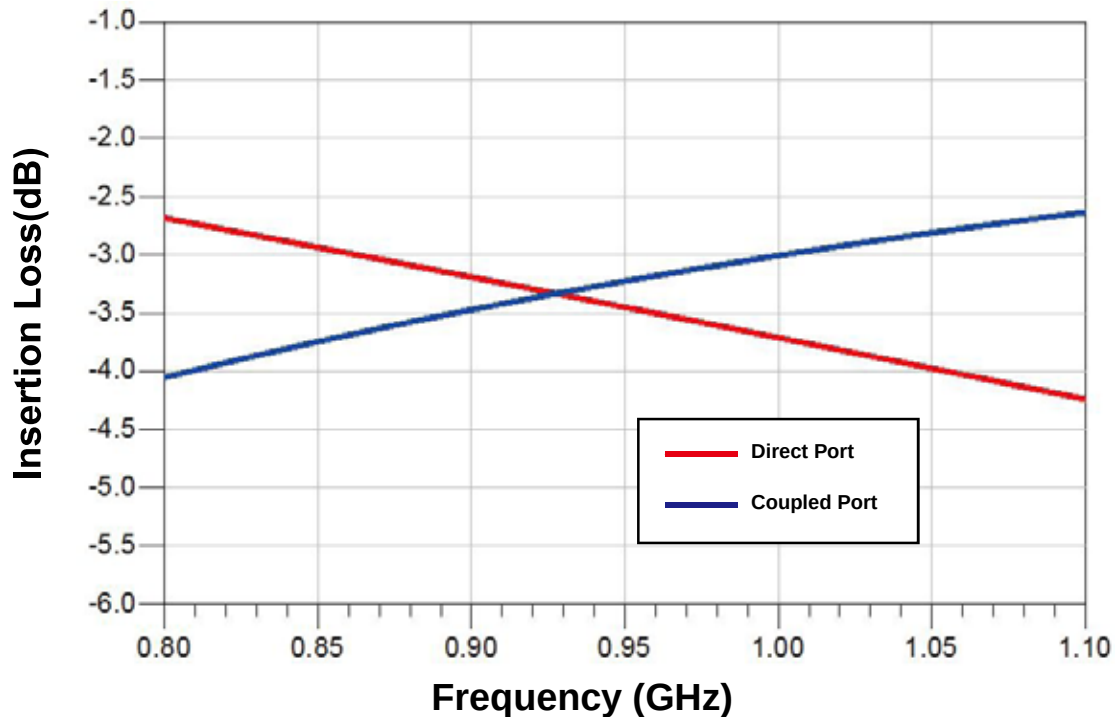
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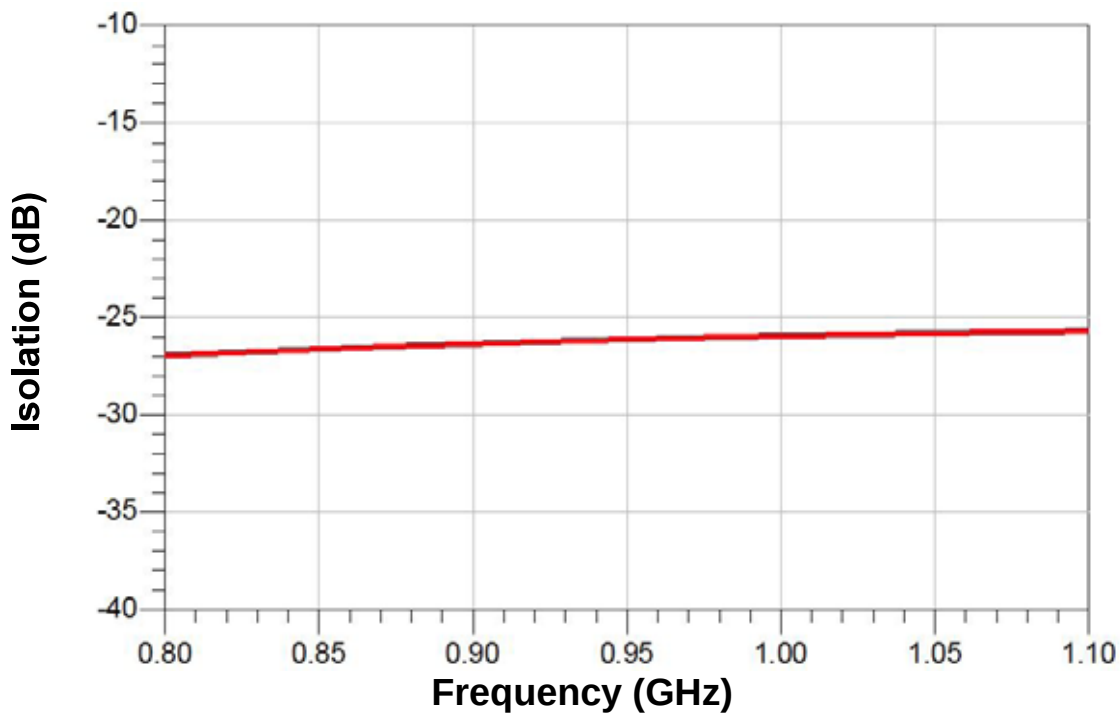


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Insertion Loss VS.Frequency



Isolation VS.Frequency



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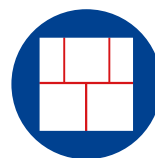
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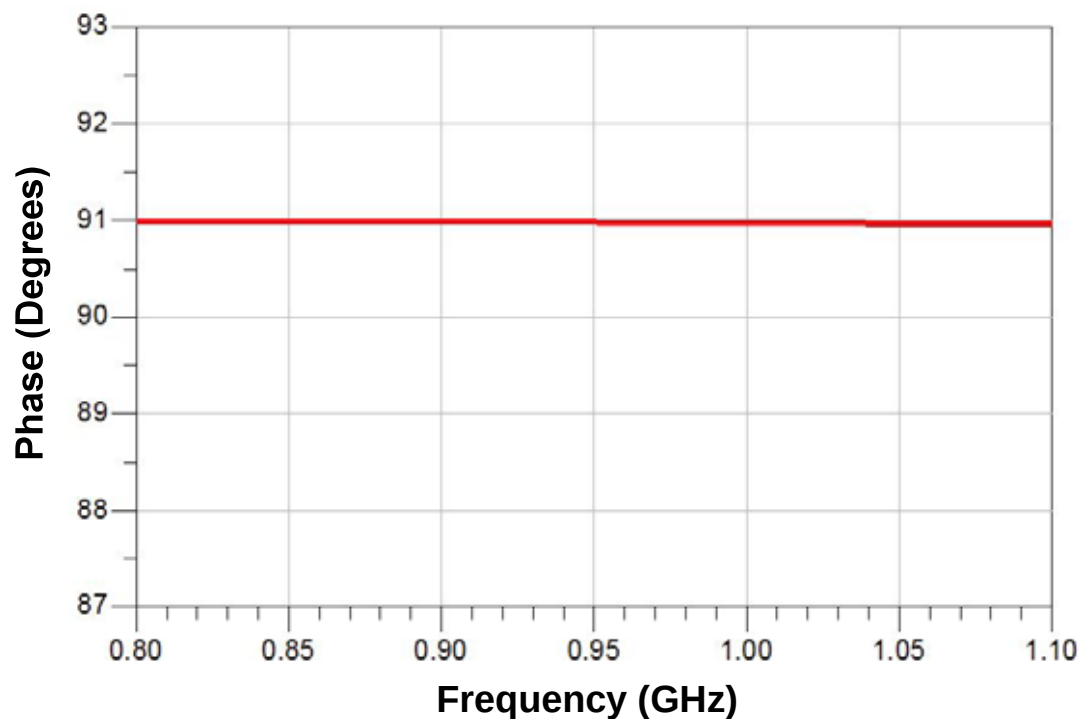
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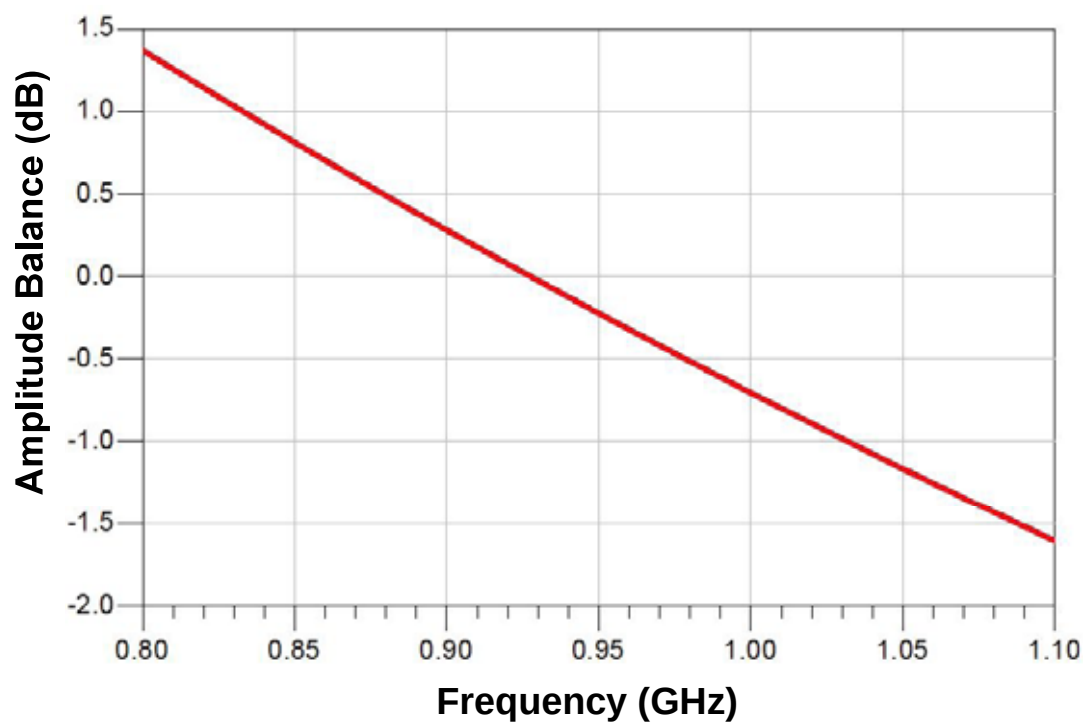


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Phase Balance VS.Frequency



Amplitude Balance VS.Frequency



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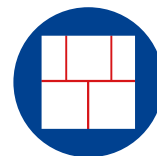
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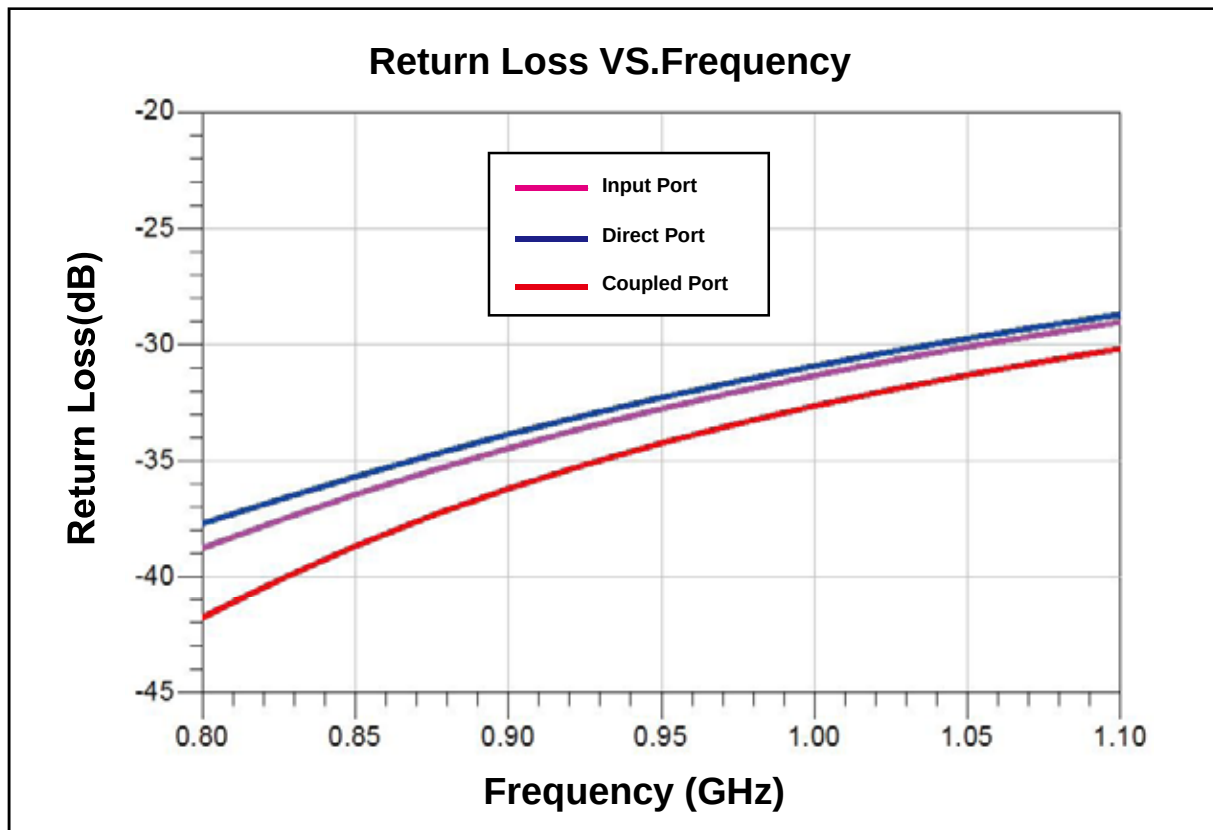
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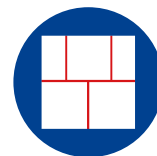
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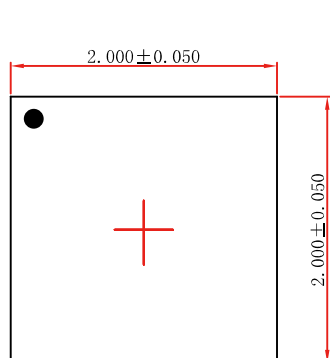
HC0952U03-020

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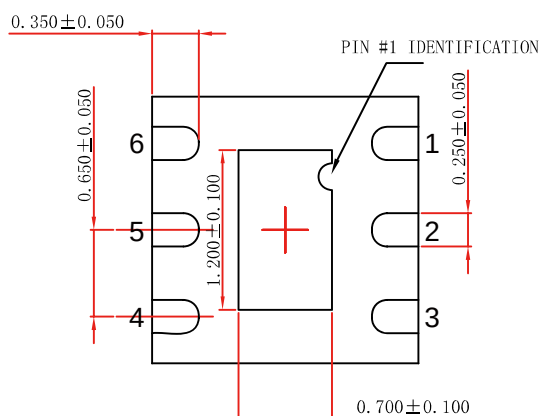


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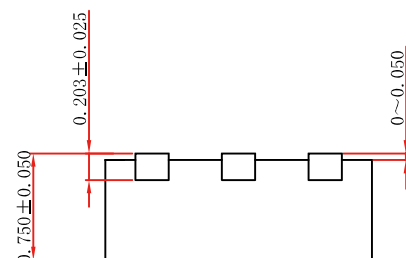
Outline Drawing



TOP VIEW

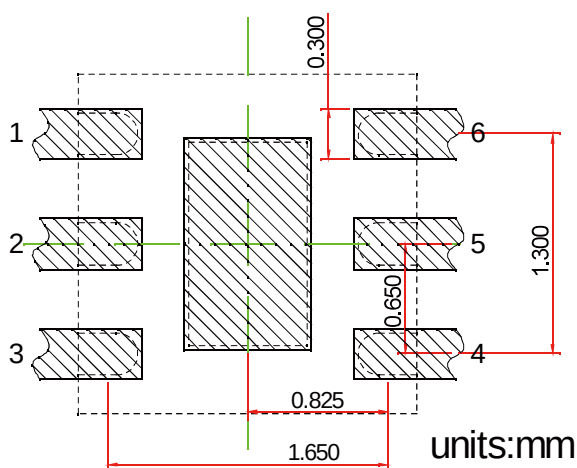


BOTTOM VIEW



SIDE VIEW

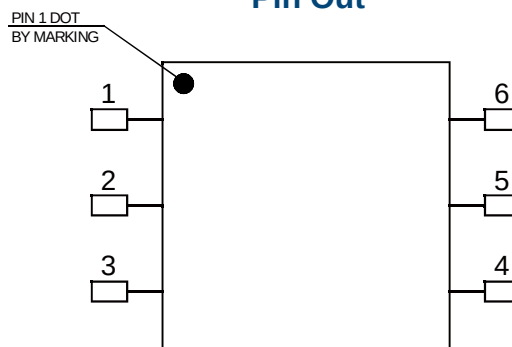
Land Pattern



Recommended Land Pattern Top View

Notes: All dimensions show in millimeters

Pin Out



TOP VIEW

Pin #	Connection
1	IN
2	GND
3	ISOL
4	COUPLED
5	GND
6	DIRECT

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