Directional Coupler

CP261

RFHIC

Product Features

- Passive Integration on Silicon
- Low Insertion Loss
- High Isolation
- Solder Pad
- Low Cost

Application

- Repeater
- Base Station
- RF Sub-Systems



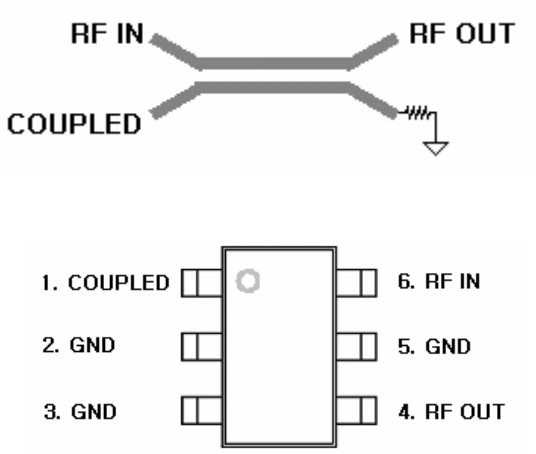
Description

The CP Series is a monolithic directional coupler for low cost wireless applications.

Specifications at 25℃, 50Ω in/out impedance

PARAMETER	Units	Min	Typ	Max
Frequency Range	MHz	2500		2700
Insertion Loss	dB		0.3	0.5
Input Return Loss	dB	20	26	
Output Return Loss	dB	20	26	
Coupling	dB	14	15	16
Coupling Return Loss	dB	10	14	
Isolation	dB	20	25	
Remarks	MHz	2600		

Block Diagram & Pin Out



Absolute Maximum Ratings

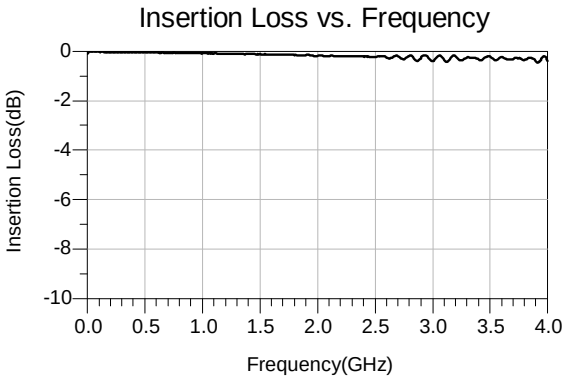
Parameter	Value
Input Power	1 W
Operating Temperature	-40 ~ +85℃
Storage Temperature	-65 ~ + 150℃

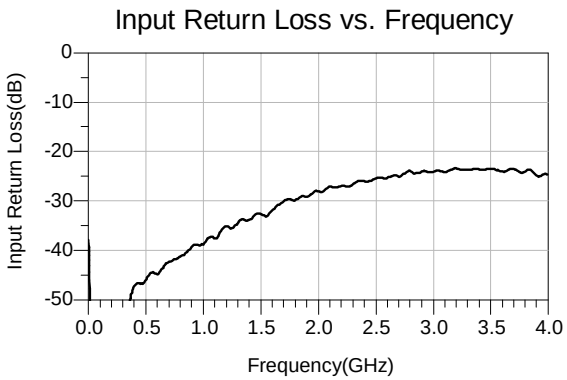
▪ Tel : 82-31-250-5011
▪ rfsales@rfhic.com

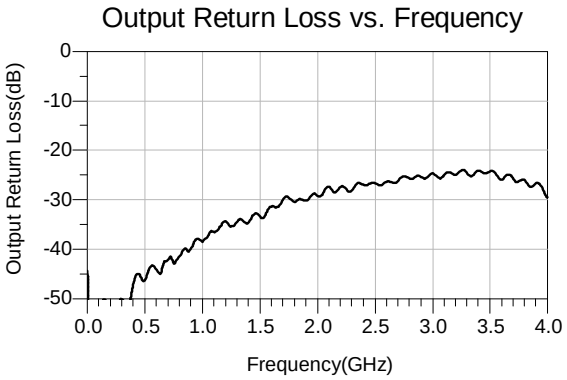
▪ All specifications may change without notice.

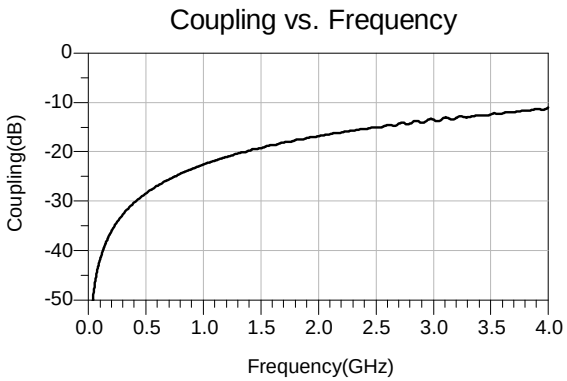
▪ Version 1.0

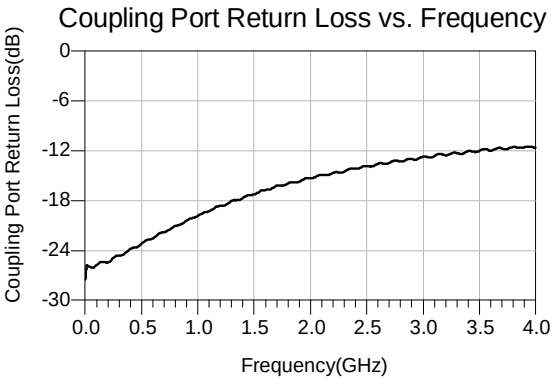
Typical Performance Data at 25℃ (SOT23-6L Package)

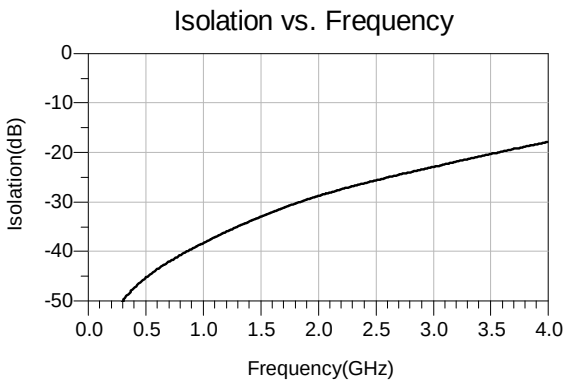




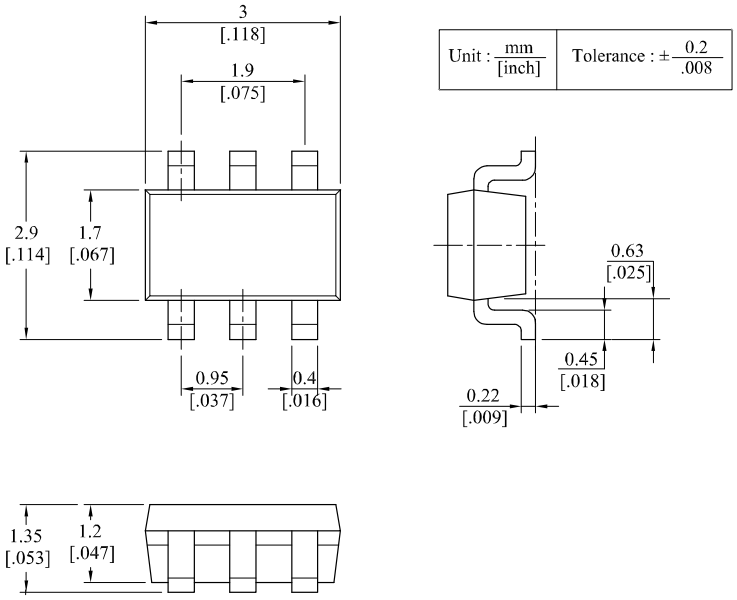




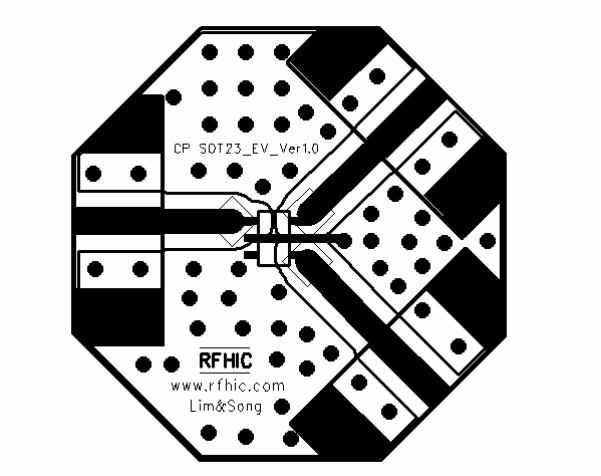




Package Dimensions (Type: SOT23-6L)



PCB Evaluation Board Layout Pattern



PCB material (FR4), PCB thickness (0.8t), Via hole (Φ0.7)

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