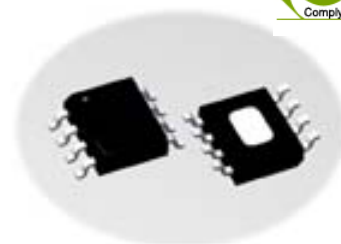


Product Features

- Passive Integration on Silicon
- Low Insertion Loss
- High Isolation
- Solder Pad
- Low Cost
- Pb Free/RoHS Compliant

Application

- Repeater
- Base Station
- RF Sub-Systems



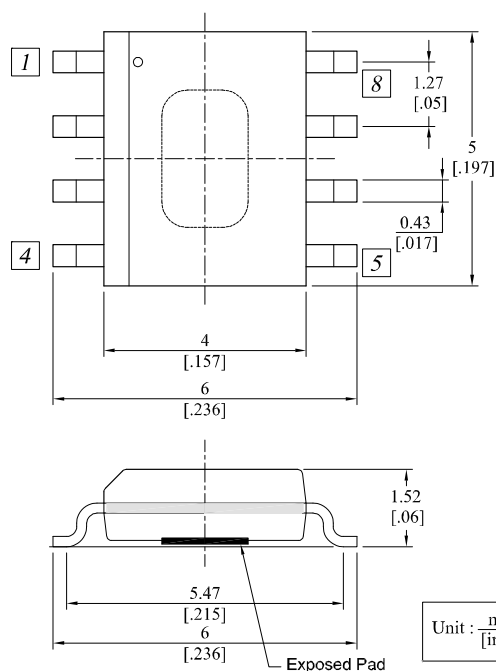
Description

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

Specifications at 25 °C

PARAMETER	Units	Min	Typ	Max
Frequency Range	MHz	2200		2400
Insertion Loss	dB		0.3	0.5
Input Return Loss	dB	16	18	
Output Return Loss	dB	16	18	
Coupling	dB	13	14	15
Coupling Port Return Loss	dB	15	17	
Isolation	dB	20	24	
Remarks	MHz	2300		

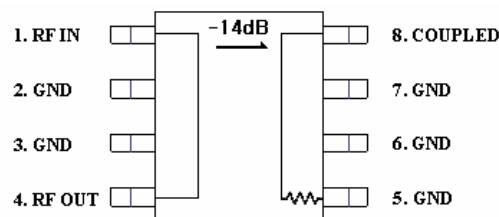
Package Dimensions (Type: SOIC-8)



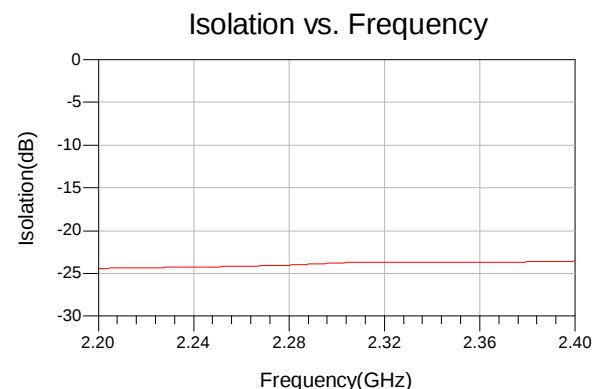
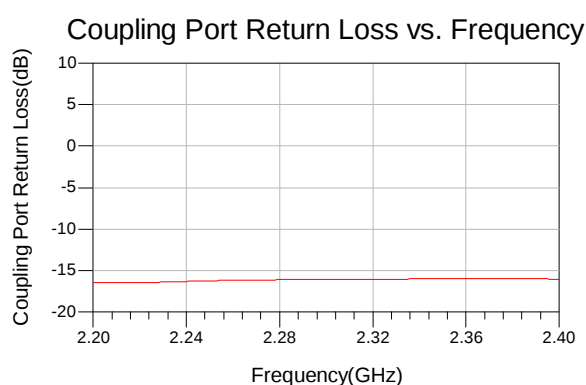
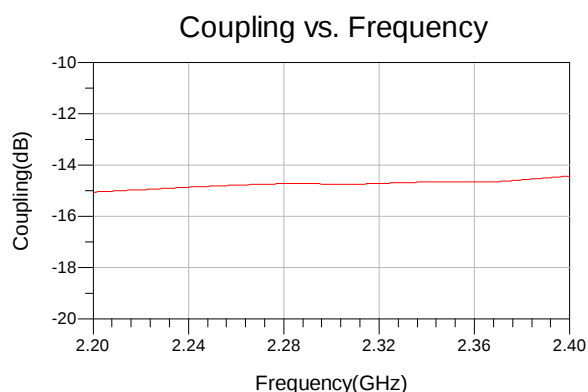
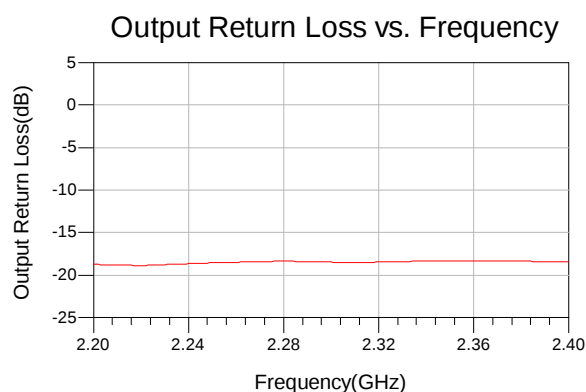
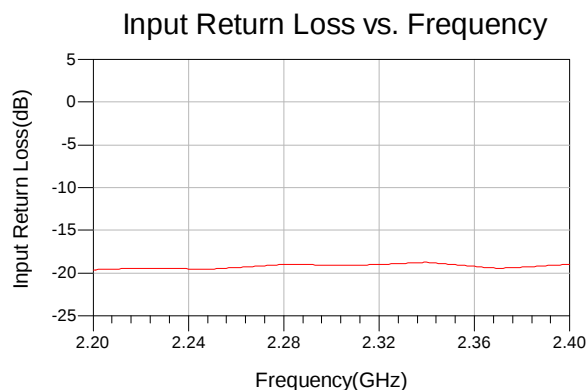
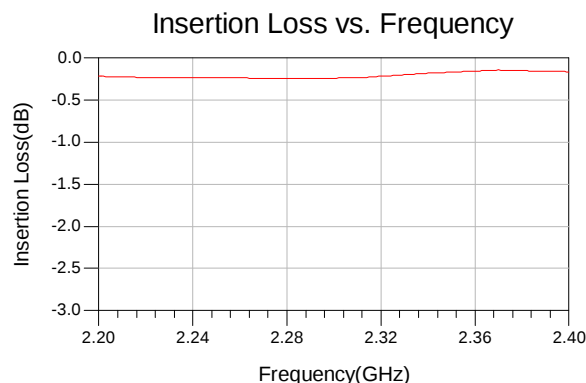
Unit : $\frac{\text{mm}}{\text{[inch]}}$	Tolerance : $\pm \frac{0.2}{.008}$
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Absolute Maximum Ratings

Parameter	Value
Input Power	2 W
Operating Temperature	-40 ~ +85 °C
Storage Temperature	-65 ~ + 150 °C



Typical Performance Data at 25 °C (SOIC-8 Package)



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