

BI-DIRECTIONAL COUPLER

SURFACE MOUNT MODEL: SDC360440-10

WIDE BANDWIDTH

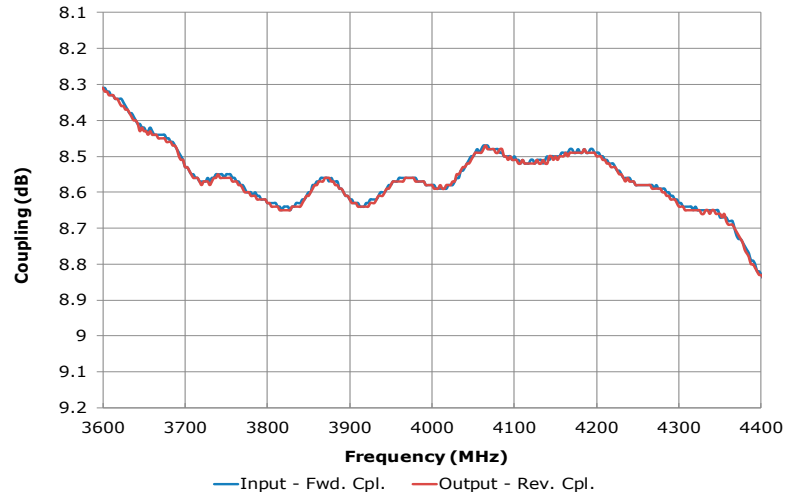
3.6 - 4.4 GHz

FEATURES:

- ▶ Power Rating 10 Watts
- ▶ Low Insertion Loss
- ▶ Good Coupling Flatness

APPLICATION:

- ▶ Signal Monitoring and Detection



SPECIFICATIONS

Frequency	3.6 - 4.4 GHz	
Coupling	8.6±0.5 dB (Nom.)	
Coupling Flatness (dB)	Typ.	Max.
	±0.25	±0.60
Insertion Loss ¹	Typ.	Max.
	0.7	1.4
Directivity (dB) ²	Typ.	Min.
	18	10
Input Power Rating	10 Watts (CW)	
Impedance	50 Ohms (Nom.)	
VSWR	Input/Output	1.40:1 (Typ.)
	Coupled	1.40:1 (Typ.)
Operating Temperature Range	-40 to +85 °C	
Storage Temperature Range	-55 to +100 °C	

¹ Excluding coupling loss.
² Directivity is the isolation value minus the coupling value.

Package #	400
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RECOMMENDED PCB LAYOUT

TOLERANCES ON THREE DECIMAL PLACES= ± 0.015

PACKAGE MOUNTING: SEE APPLICATION NOTE AN7301

PORT CONFIGURATION				
Input	Output	FWD. Coupled	REV. Coupled	Gnd.
4	8	5	7	All Others

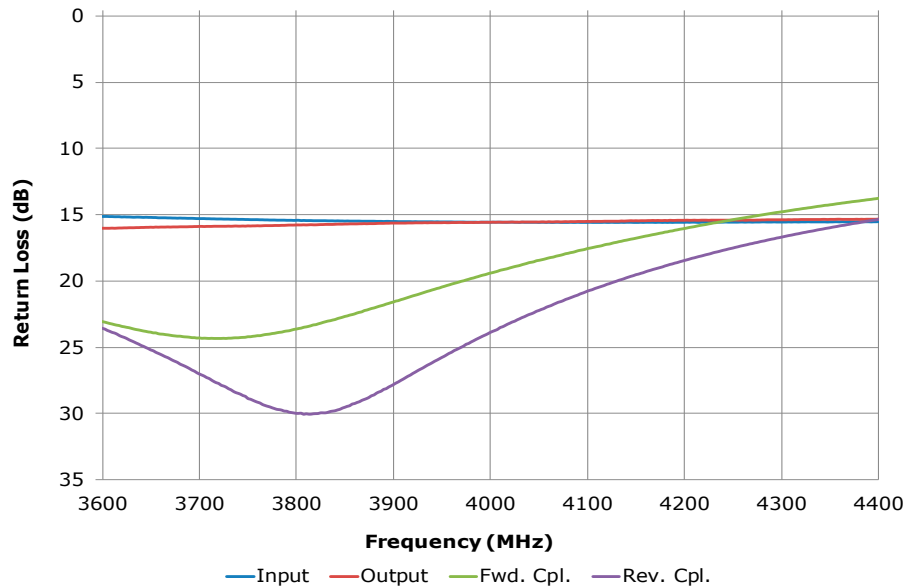
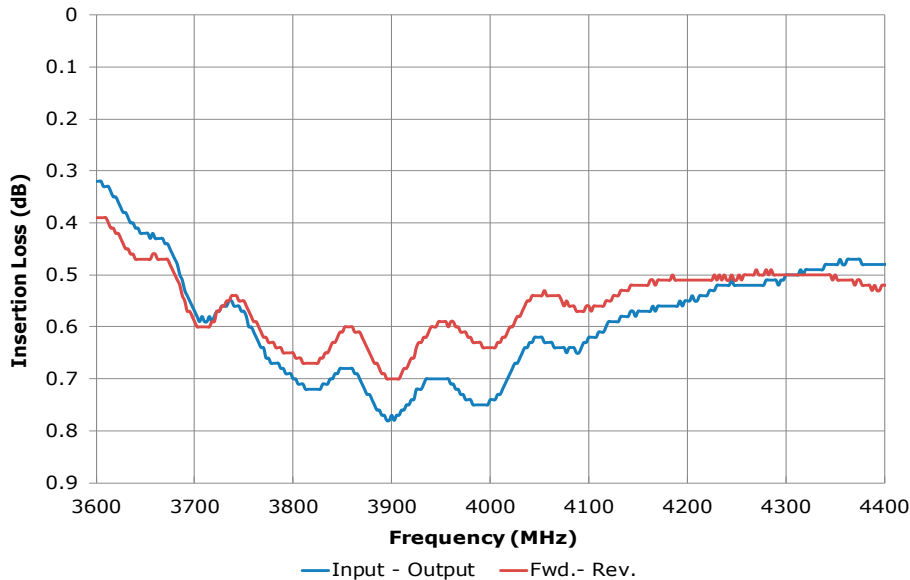
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PERFORMANCE PLOTS

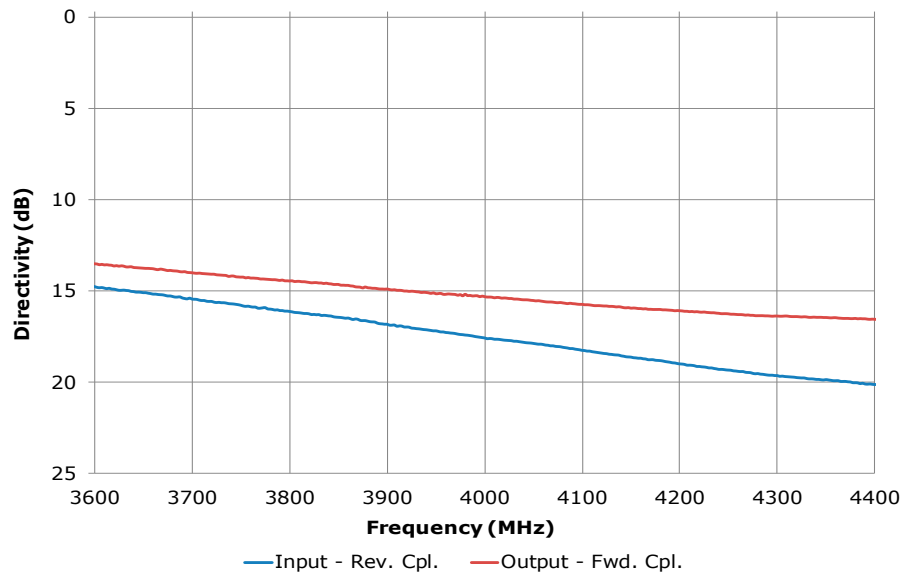


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