

BI-DIRECTIONAL COUPLER

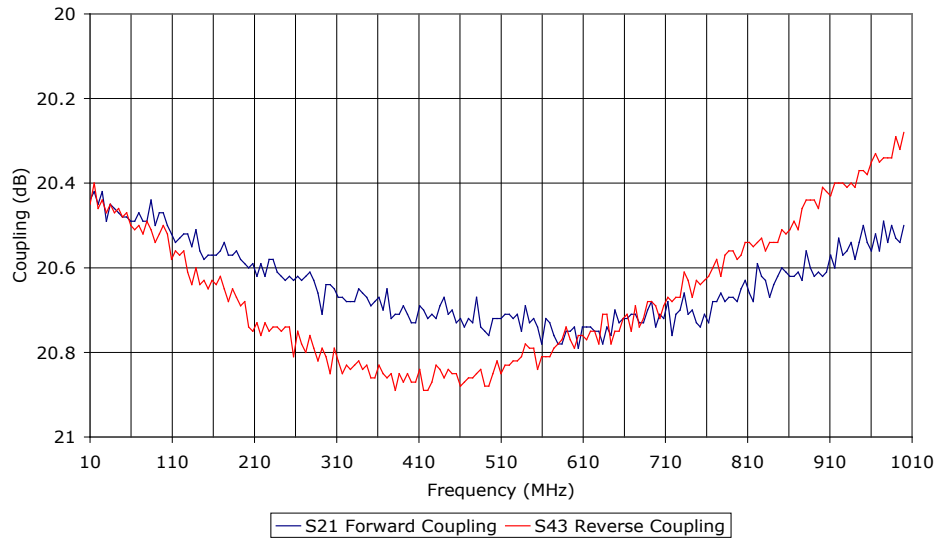
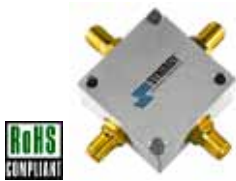
CONNECTORIZED MODEL: KDK-744S

WIDE BANDWIDTH

10 - 1000 MHz

FEATURES:

- ▶ High Directivity
- ▶ Low Insertion Loss



SPECIFICATIONS (Rev. B 01/13/09)

Frequency	10 - 1000 MHz		
Coupling	20 ±1 dB (Nom.)		
Coupling Flatness)	±1 dB		
Mainline Loss	Freq. (MHz)	Typ. (dB)	Max. (dB)
	10 - 100	0.4	0.5
	100 - 500	0.5	1.0
	500 - 1000	1.0	1.5
Directivity	Freq. (MHz)	Typ. (dB)	Min. (dB)
	10 - 100	30	23
	100 - 500	25	18
	500 - 1000	20	15
Input Power	1 Watt (Max.)		
Output Impedance	50 Ohms (Nom.)		
VSWR:	1.3:1 (Typ.)		
Operating Temperature Range	-55 to +100 °C		

Package # 113LF

All Dimensions in inches (mm)

Tolerances: 2 PL.±0.030 inch. (0.762mm)
3 PL.±0.015 inch. (0.381mm)

Dimension	Value (inches)	Value (mm)
A	1.250	31.75
B	1.250	31.75
C	0.750	19.05
D	0.375	9.525
E	1.000	25.4
F	1.000	25.4
G	∅0.136	3.45
H	0.625	15.875
I	0.625	15.875

Port Configuration

Input	Output	FWD. Coupled	REV. Coupled
1	4	2	3

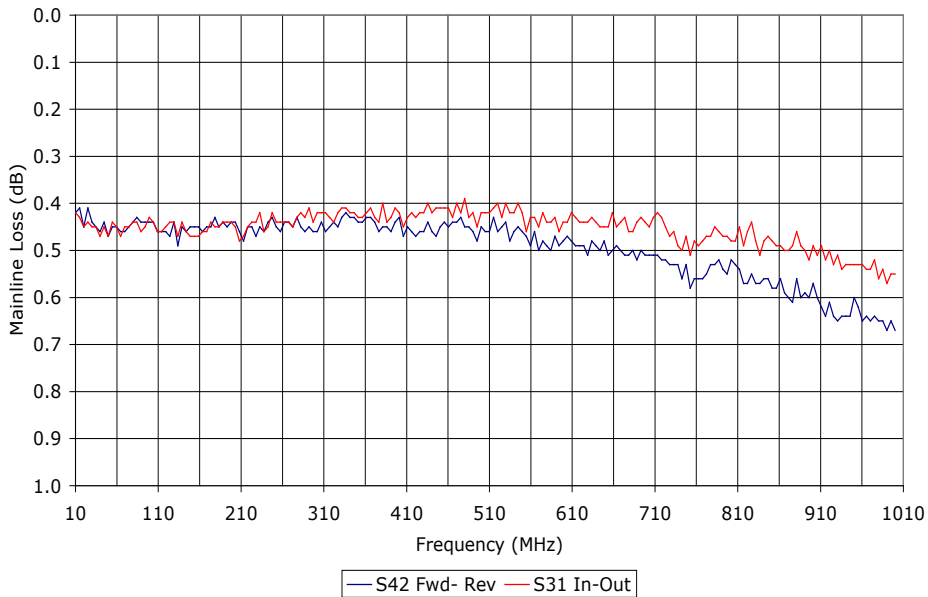
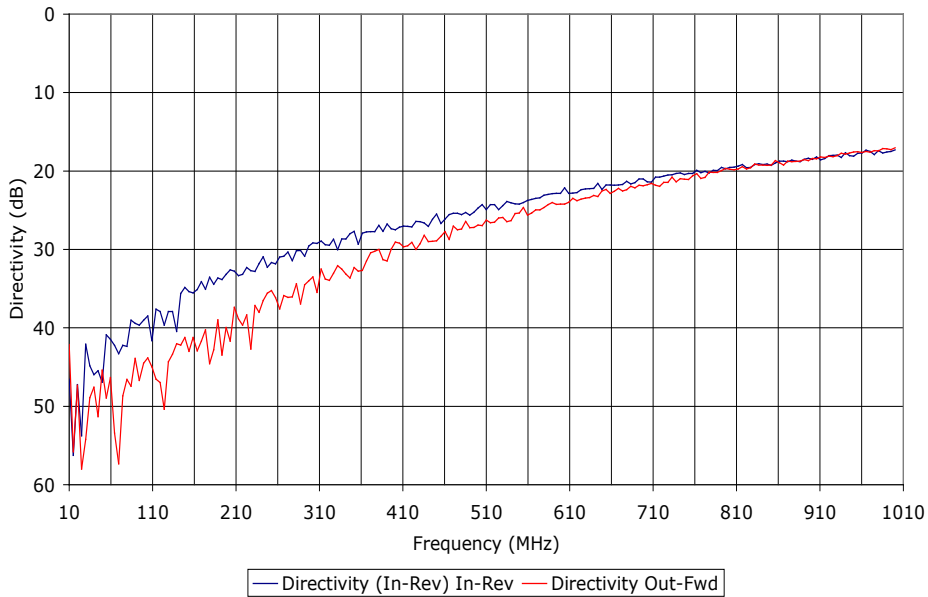
BI-DIRECTIONAL COUPLER

CONNECTORIZED MODEL: KDK-744S

WIDE BANDWIDTH

10 - 1000 MHz

PERFORMANCE PLOTS



BI-DIRECTIONAL COUPLER

CONNECTORIZED MODEL: KDK-744S

WIDE BANDWIDTH

10 - 1000 MHz

PERFORMANCE PLOTS

