

BI-DIRECTIONAL COUPLER

SURFACE MOUNT MODEL: KDS-30-30

WIDE BANDWIDTH

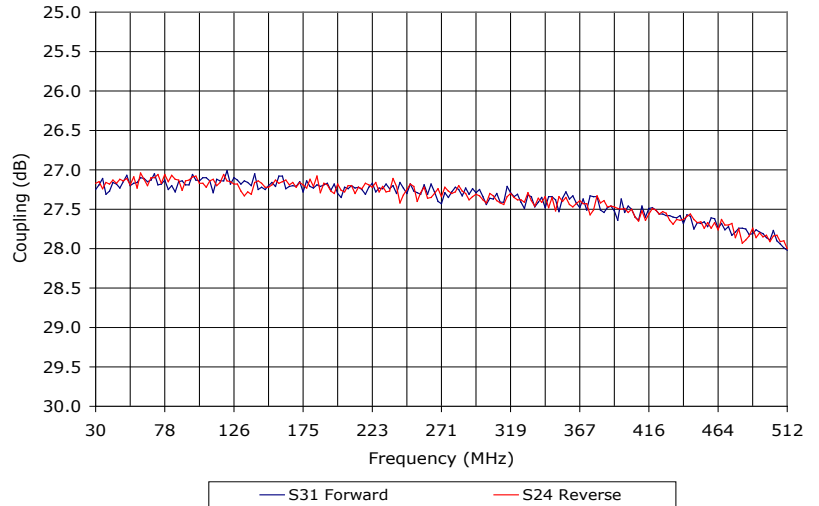
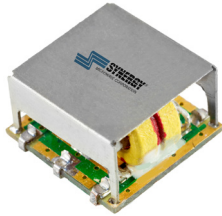
30 - 512 MHz

FEATURES:

- ▶ High Power Rating
- ▶ Low Insertion Loss
- ▶ Excellent Coupling Flatness
- ▶ High Directivity

APPLICATION:

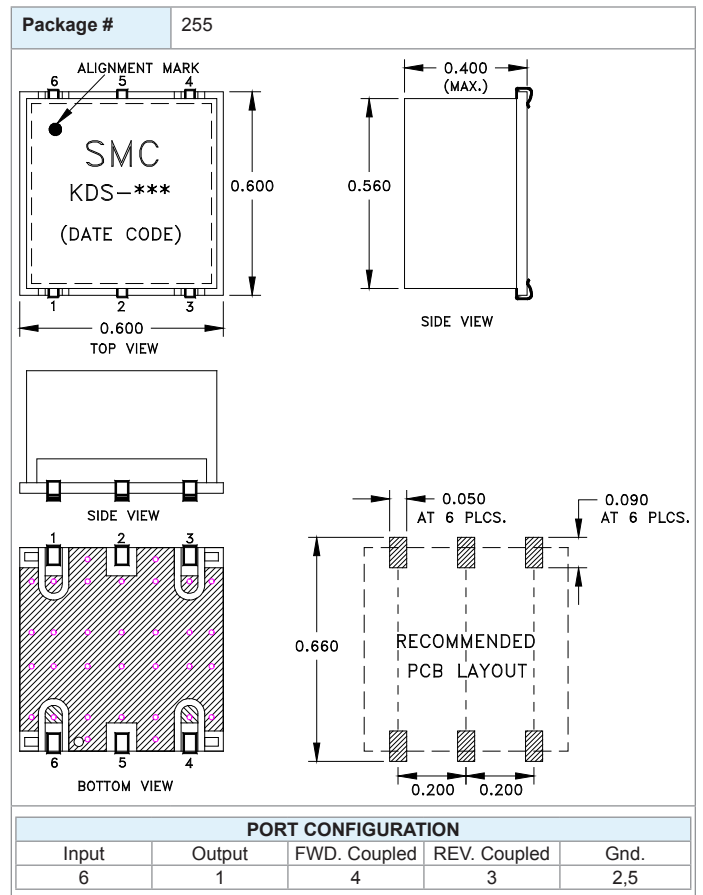
- ▶ Antenna Signal Monitoring



SPECIFICATIONS (Rev. A 04/02/10)

Frequency	30 - 512 MHz	
Coupling	27.5 ±0.8 dB (Nom.)	
Coupling Flatness	±0.75 dB (Max.)	
Insertion Loss ¹	0.28 dB (Max.)	
Directivity (dB) ²	Typ.	Min.
	23	15
Input Power Rating ³	50 Watts (Nom.)	
Impedance	50 Ohms (Nom.)	
VSWR	1.2:1 (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.
³ For any load impedance connected to the output port.



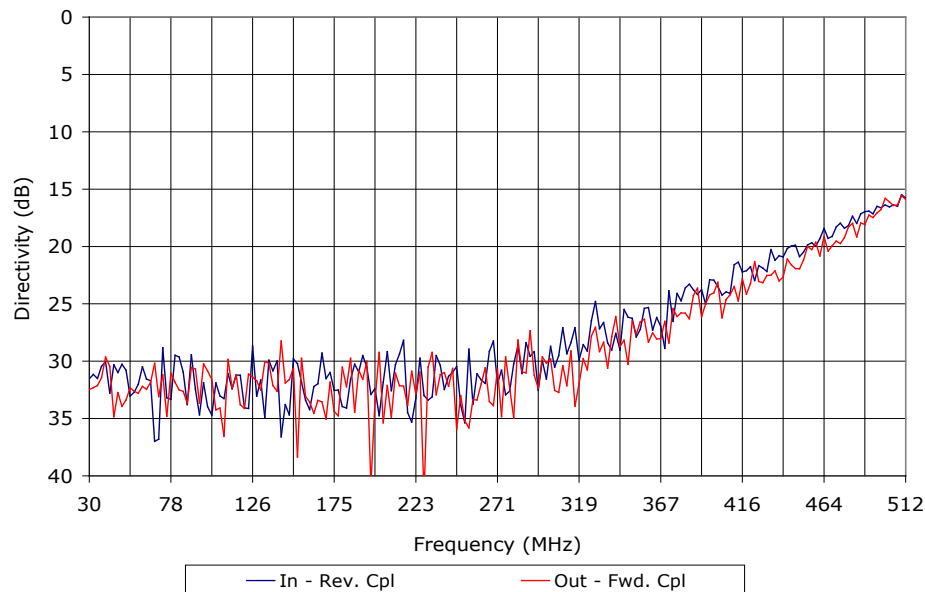
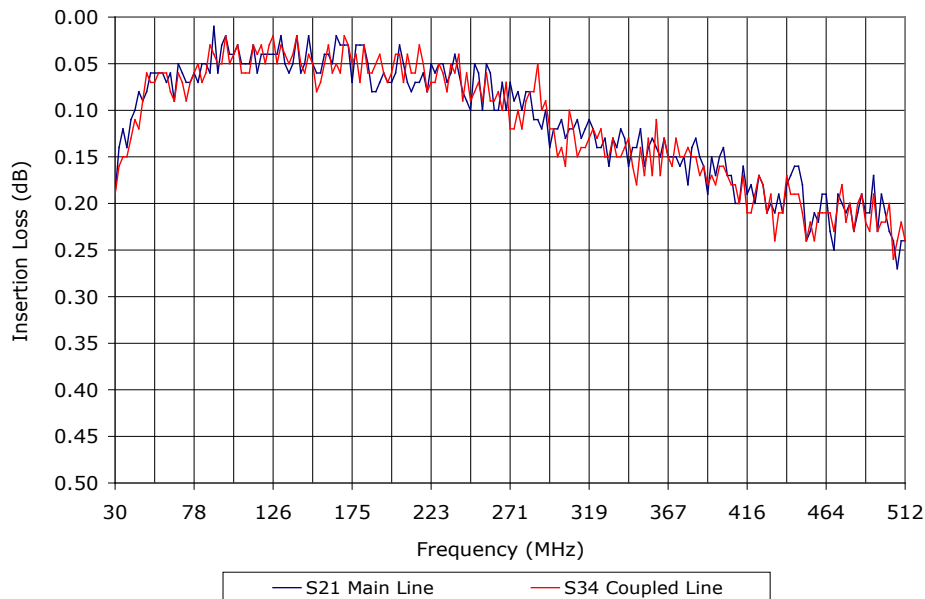
BI-DIRECTIONAL COUPLER

SURFACE MOUNT MODEL: KDS-30-30

WIDE BANDWIDTH

30 - 512 MHz

PERFORMANCE PLOTS



BI-DIRECTIONAL COUPLER

SURFACE MOUNT MODEL: KDS-30-30

WIDE BANDWIDTH

30 - 512 MHz

PERFORMANCE PLOTS

