

# BI-DIRECTIONAL COUPLER

## SURFACE MOUNT MODEL: KDS-30-30-3

**WIDE BANDWIDTH**

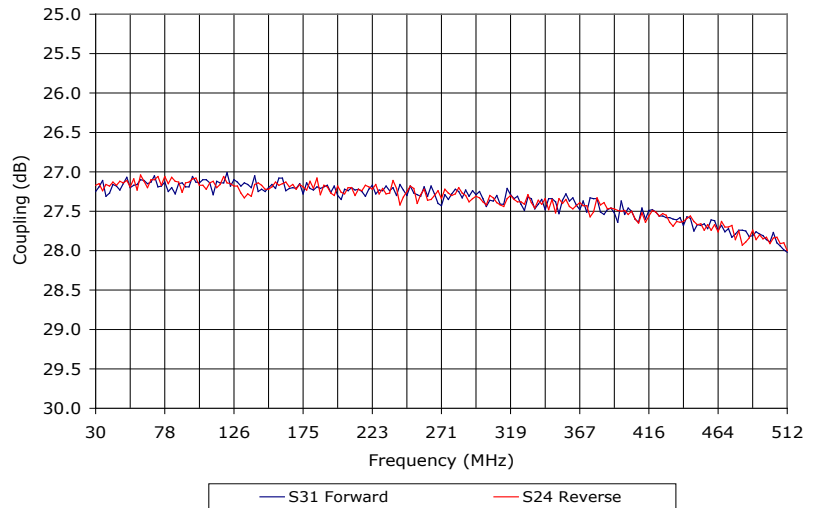
**27 - 512 MHz**

**FEATURES:**

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

**APPLICATION:**

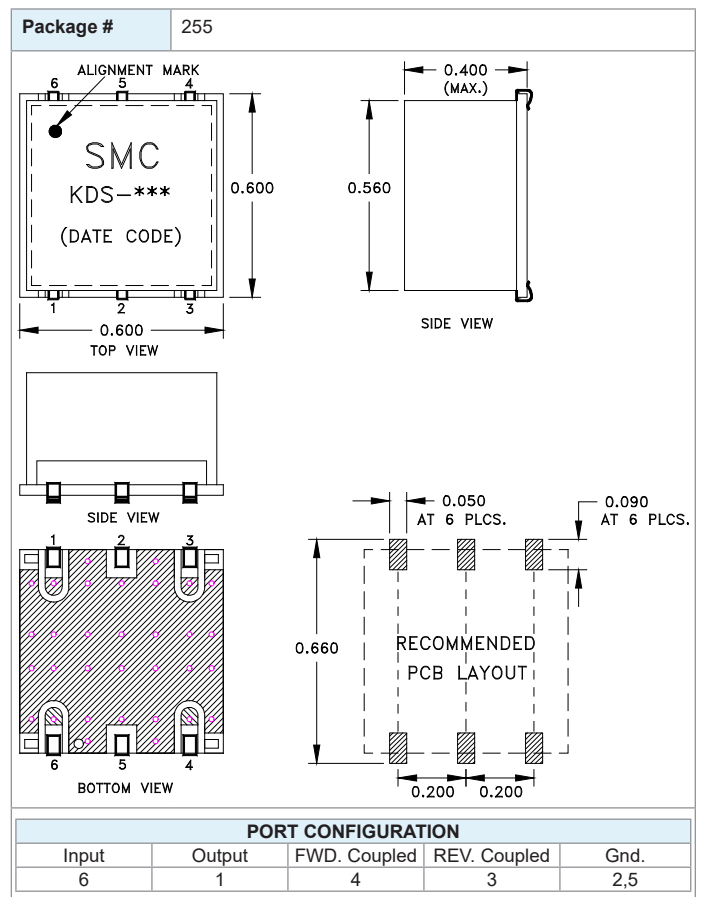
- ▶ Antenna Signal Monitoring



**SPECIFICATIONS**

Frequency	27 - 512 MHz	
Coupling	27.5 ±0.8 dB (Nom.)	
Coupling Flatness	±0.75 dB (Max.)	
Insertion Loss <sup>1</sup>	0.35 dB (Max.)	
Directivity (dB) <sup>2</sup>	Typ.	Min.
	23	15
Input Power Rating <sup>3</sup>	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	

<sup>1</sup> Excluding Coupling Loss.  
<sup>2</sup> Directivity is the isolation value minus the coupling value.  
<sup>3</sup> For any load impedance connected to the output port.



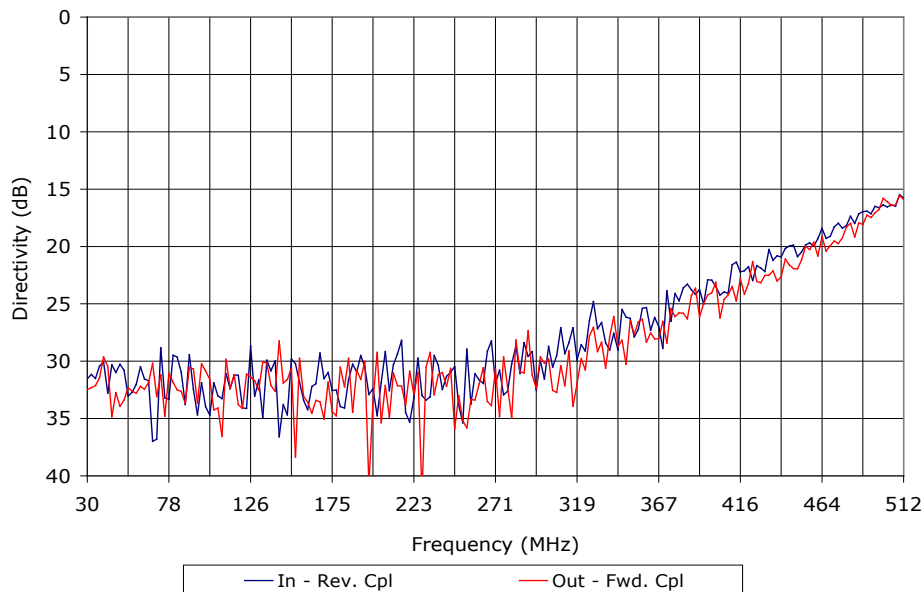
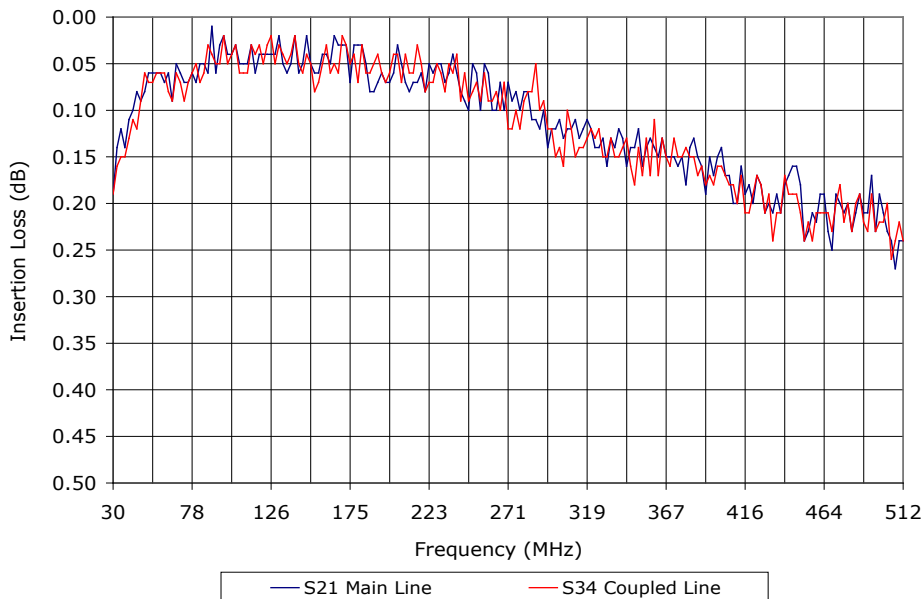
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