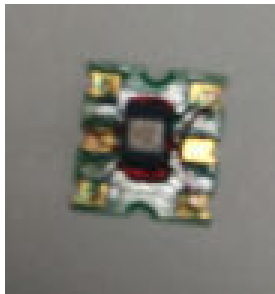


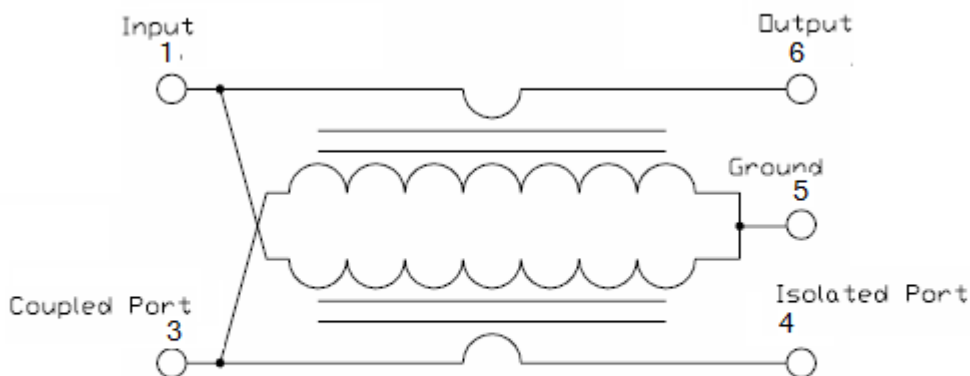
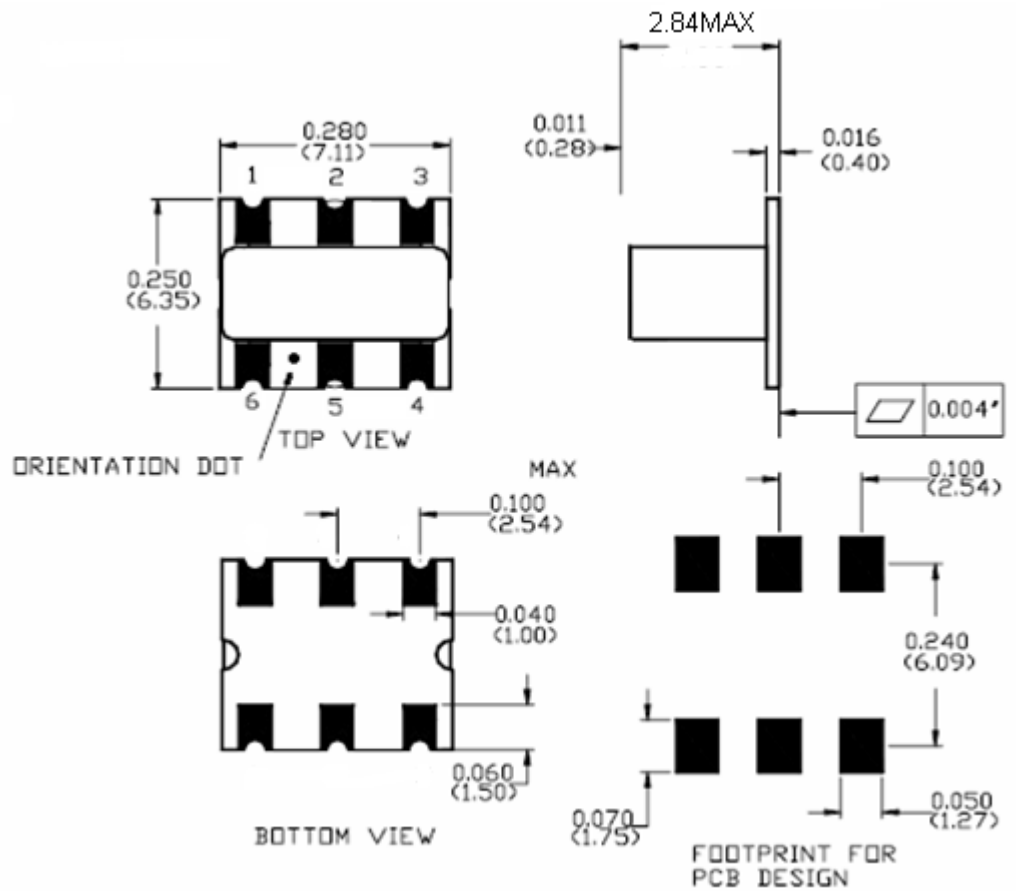
Feature:

17db coupler

- Surface mount
- 260°C reflow compatible
- **RoHS* compliant**
- welding connect



Outline drawing



Schematic

Description:

.LH Corporation SL016090 is a 17db coupler .

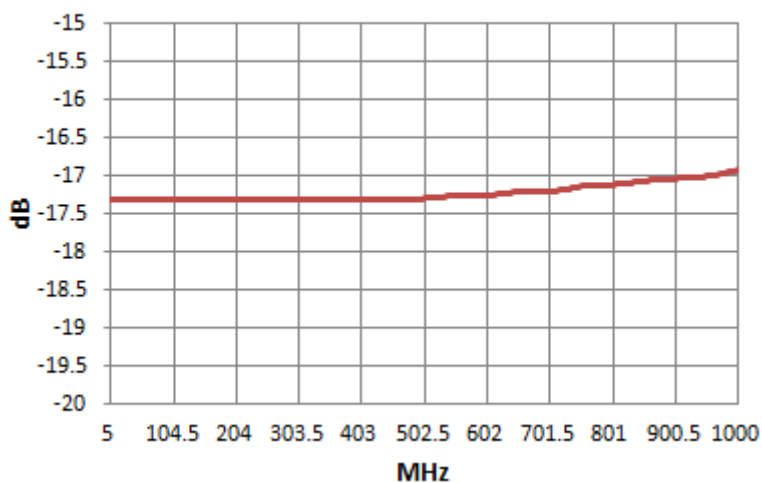
CATV/Broadband applications.

PIN CONFIGURATION

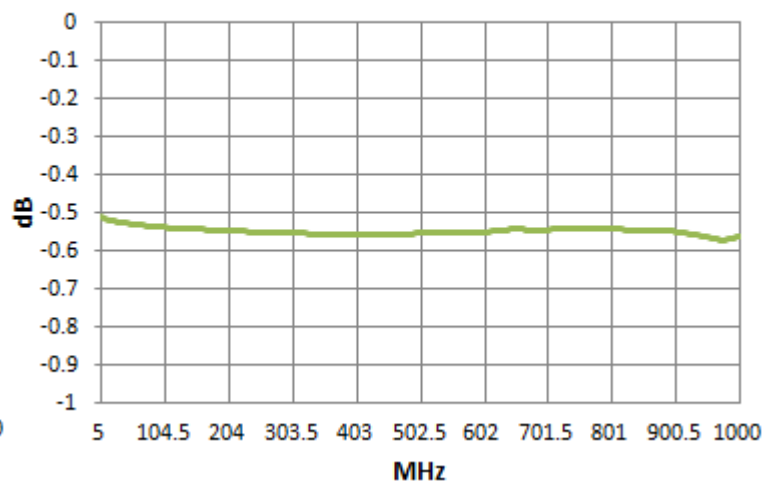
PIN	FUNCTION
1	Input
2	Not Used (short to ground)
3	Coupled
4	Isolated (external 75 Ohms termination)
5	Ground
6	Output

Electrical Specifications: TA=25°C, Zo=75Ω					
Parameter	Test Conditions	Units	Min.	Typ.	Max.
Coupling	5 - 860 MHz	dB	16.5	17.2	17.9
	860 - 1000 MHz		16.2	17.0	17.8
Flatness	5-1000MHz	dB	-	-	1.0
Mainline Loss	5 - 860 MHz	dB	-	0.6	1.0
	860 - 1000 MHz	dB	-	0.8	1.2
Input return loss	5 - 50 MHz	dB	24	28	-
	50 - 500 MHz	dB	24	28	-
	500 - 1000 MHz	dB	20	25	
Output return loss	5 - 50 MHz	dB	20	25	-
	50 - 500 MHz	dB	20	25	-
	500 - 1000 MHz	dB	20	23	
Coupling Return Loss	5 - 50 MHz	dB	20	25	-
	50 - 500 MHz	dB	20	25	-
	500 - 1000 MHz	18	20	23	
Isolation	5-46MHz	dB	30	440	-
	46-500MHz	dB	12	20	-
	500-1250MHz	dB	5	12	-
RF Power Rating (max)		250mw			
DC Current Rating (max)		30mA			
Test Impedance (50Ω,75Ω, etc.)		75OHM			
Operating Temperature		-40°C to +85°C			
Storage Temperature		-40°C to +85°C			

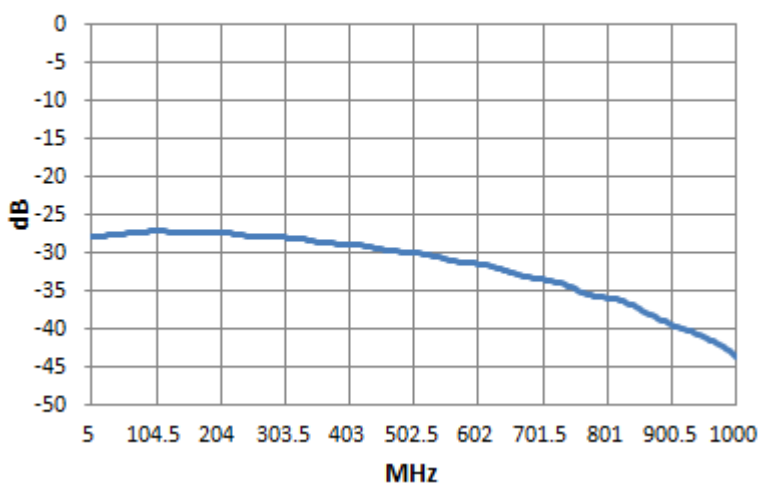
Coupling



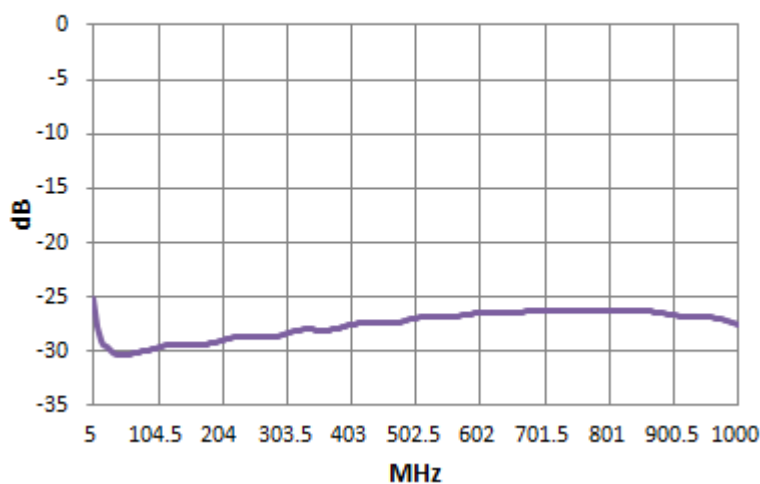
Mainline Loss



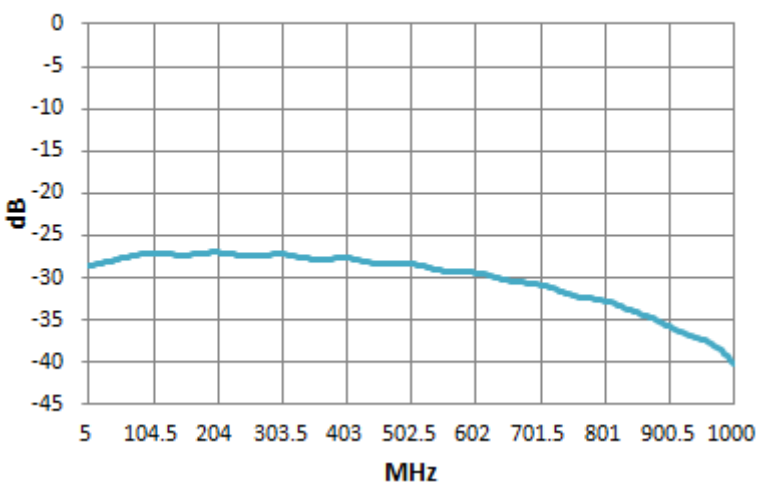
Inout Return Loss



Coupling Return Loss



Output Return Loss



Directivity

