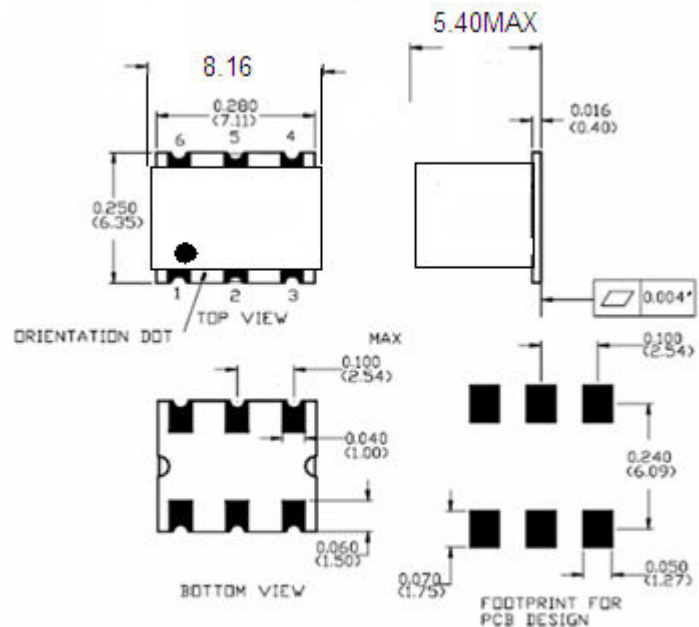


Outline drawing

Feature:

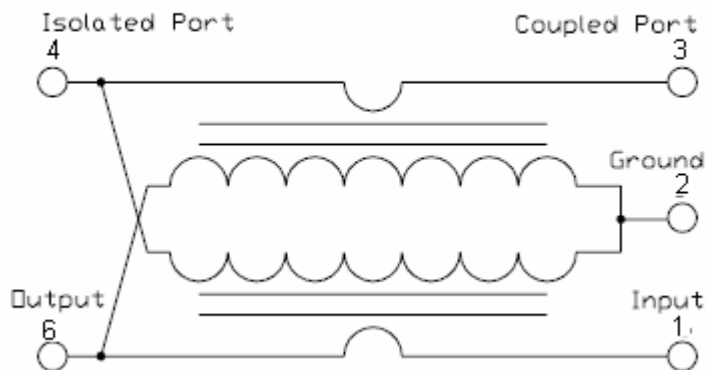
20db coupler

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



Tolerance: +/- 5%

Schematic



Description:

.LH Corporation S018013-20DB-1TL is a 20db coupler .

CATV application and in a low cost, surface mount package .

The S013205 for high use volume CATV application, good output /input match.

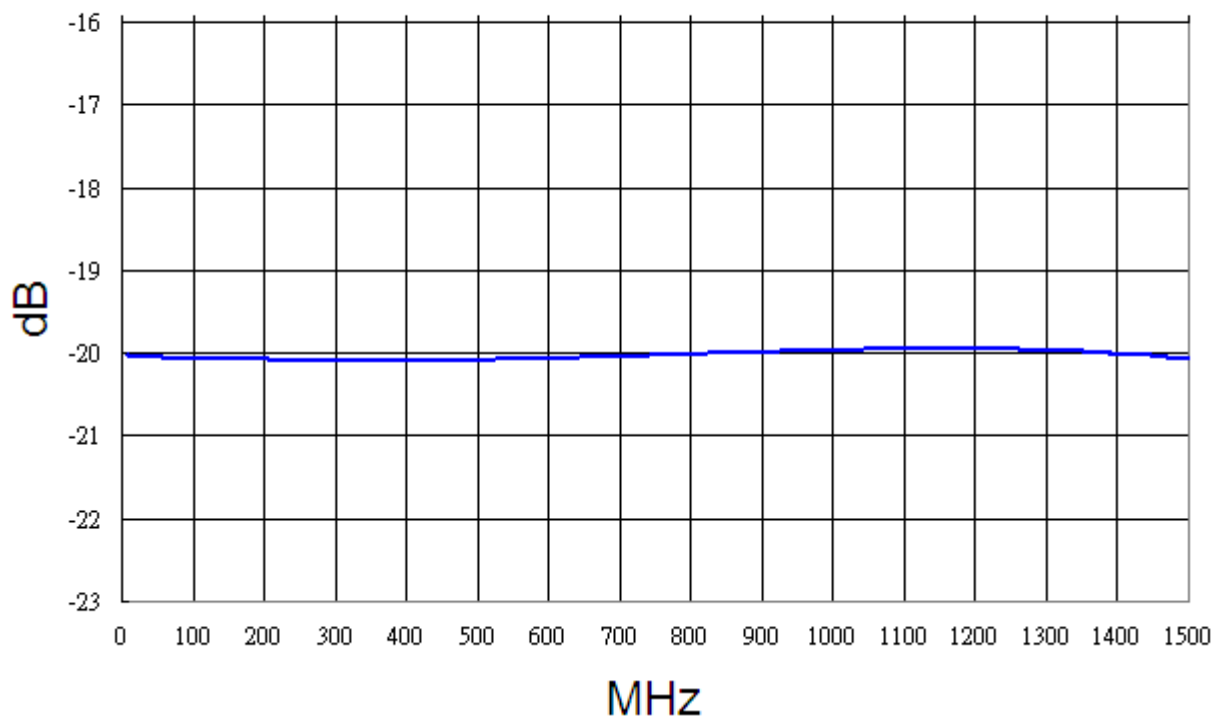
PIN CONFIGURATION

PIN	FUNCTION
6	Output
4	Isolated
3	Coupling
2	Ground
1	Input

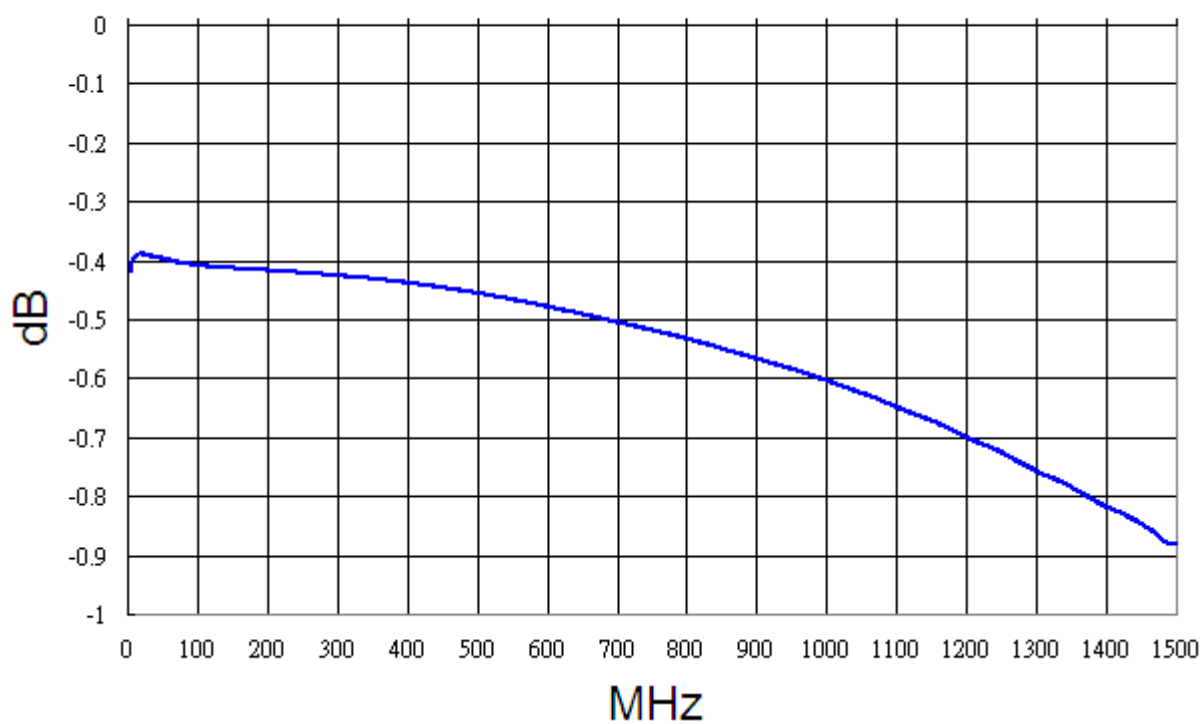
Electrical Specifications: TA=25°C, Zo=75Ω					
Parameter	Test Conditions	Units	Min.	Typ.	Max.
Main Line Loss	5-1250MHz	dB	---	0.65	0.8
	1250-1500MHz	dB	---	0.85	1.0
Coupling	5-1250MHz	dB	--	20	±0.85
	1250-1500MHz	dB	---	20	±1.0
Flatness	5-1250MHz	dB			±0.4
	1250-1500MHz	dB			±0.6
Input Return Loss	5-1250MHz	dB	24	---	---
	1250-1500MHz	dB	20	---	---
Output Return Loss	5-1250MHz	dB	24	---	---
	1250-1500MHz	dB	20	---	---
Coupling Return Loss	5-1250MHz	dB	24	---	---
	1250-1500MHz	dB	20	---	---
Directivity	5-1250MHz	dB	10	---	---
	1250-1500MHz	dB	8	---	---
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			

Actual test parameter.

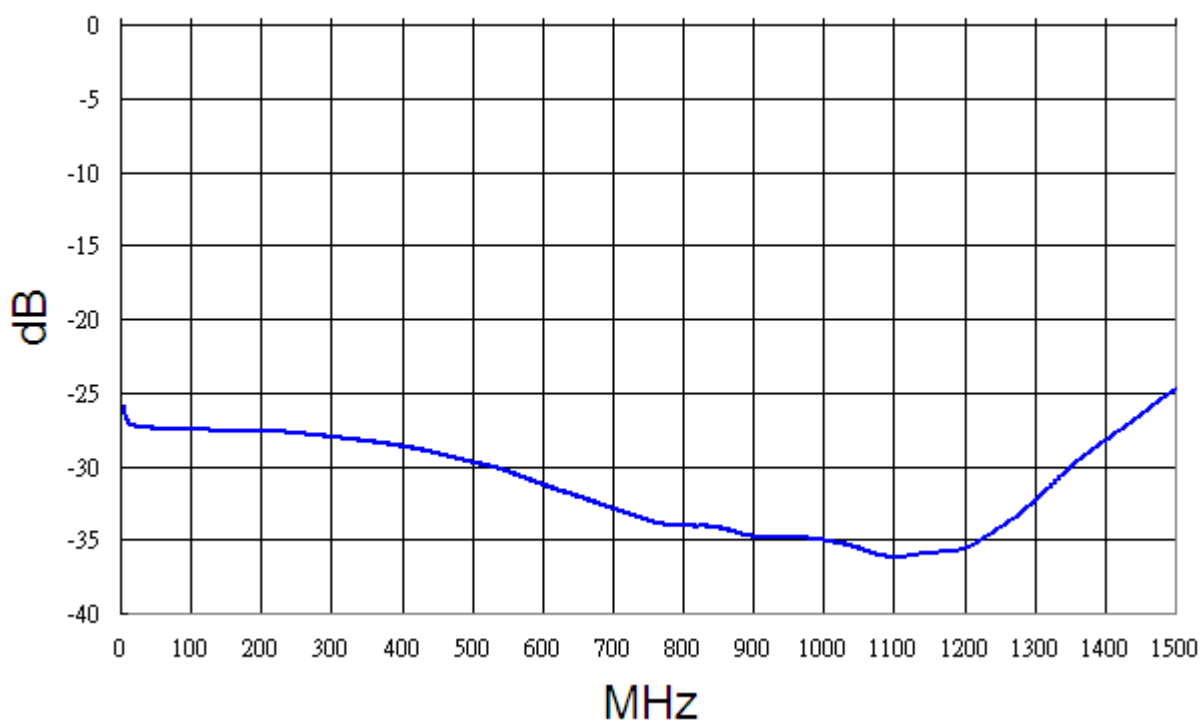
Coupling



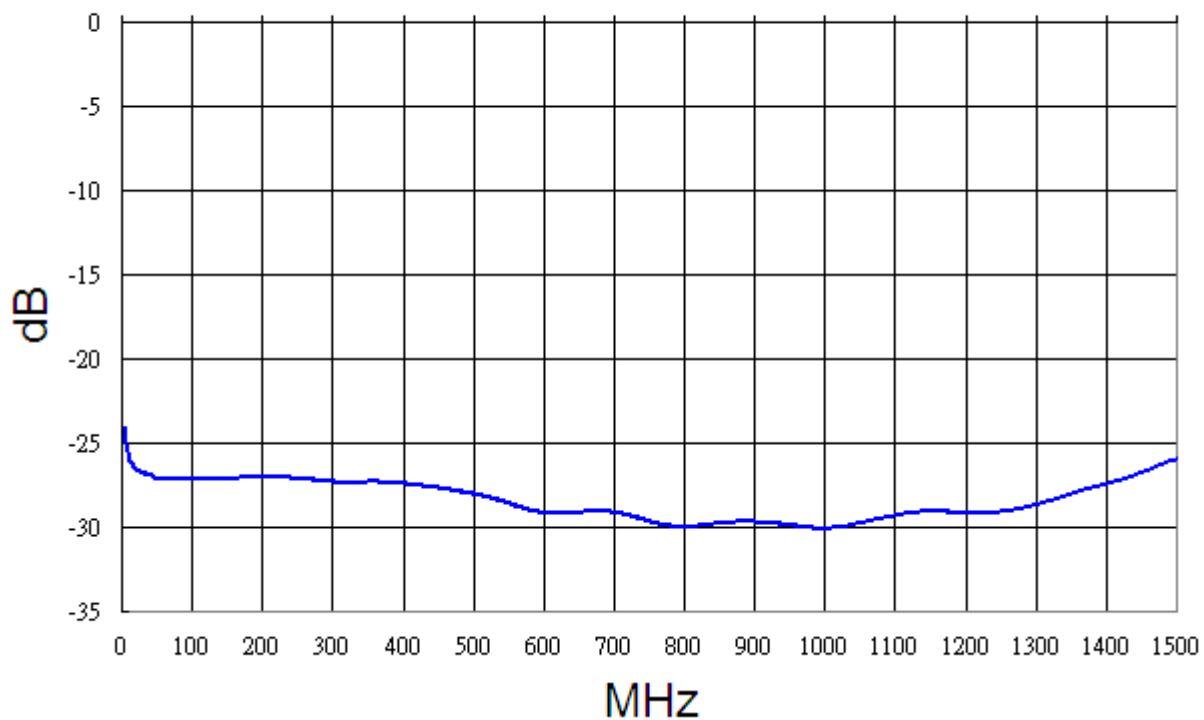
Mainline Loss



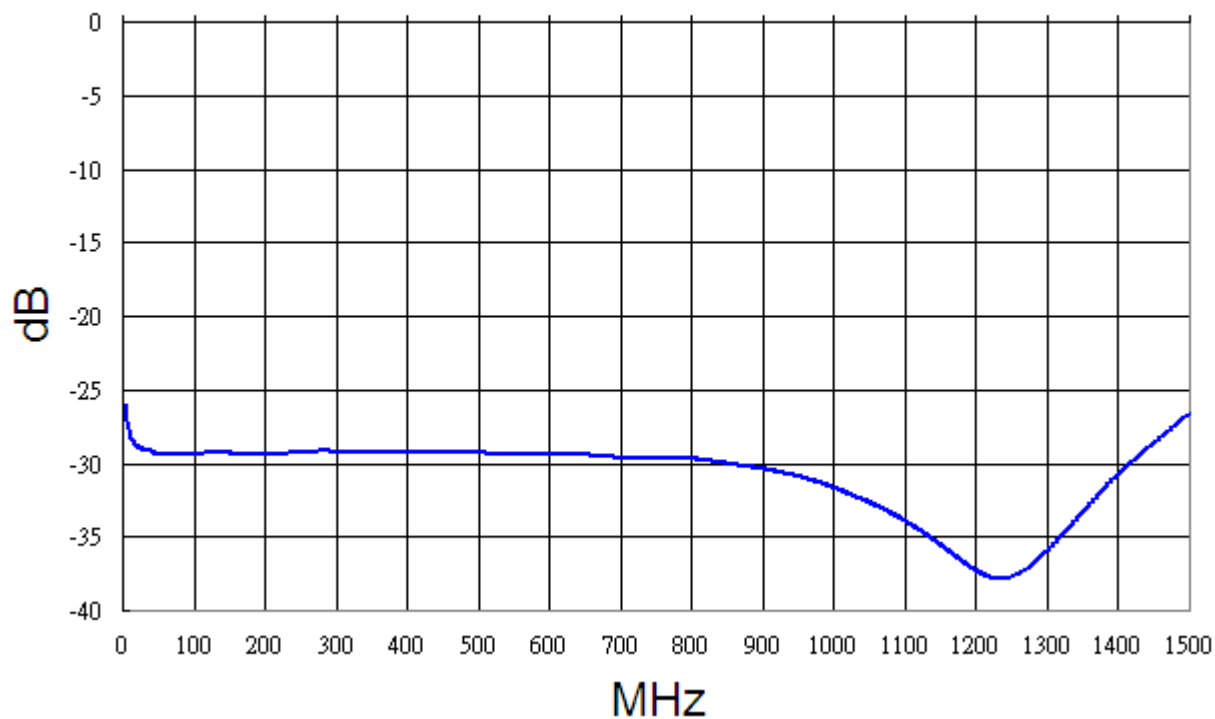
Input Return Loss



Coupling Return Loss



Output Return Loss



Directivity

