

18dB coupler **Frequency: 5-1200MHZ.**

Feature:

.18dB COUPLER.

.SMT part.

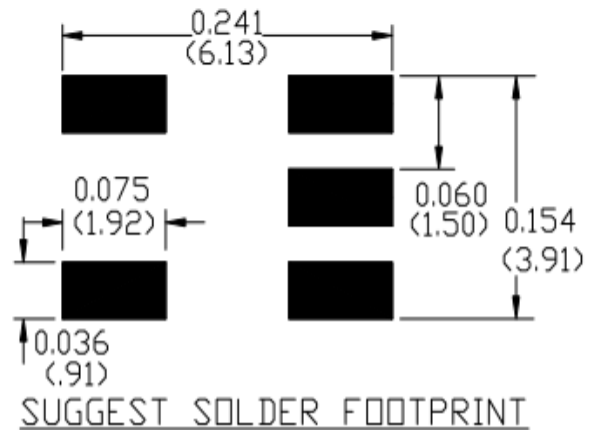
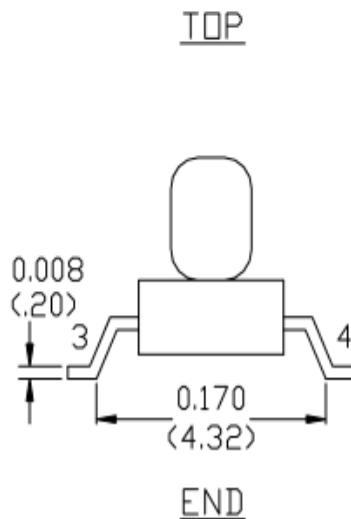
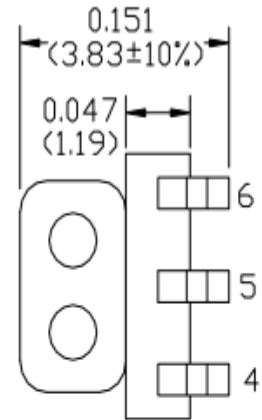
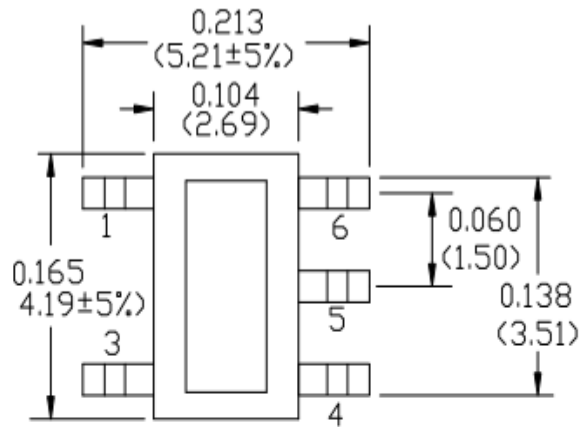
.Packaging 1000pcs per reel.

.used in 75ohm systems.

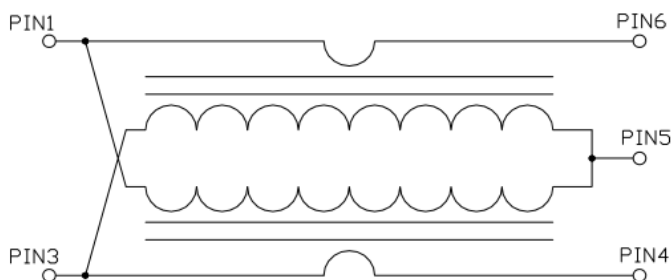
.Lead free solder.

ROHS COMPLIANT

Component Dimensions



Schematic



Description:

.LH SL018012-18DB-1TL is a 18dB coupler.

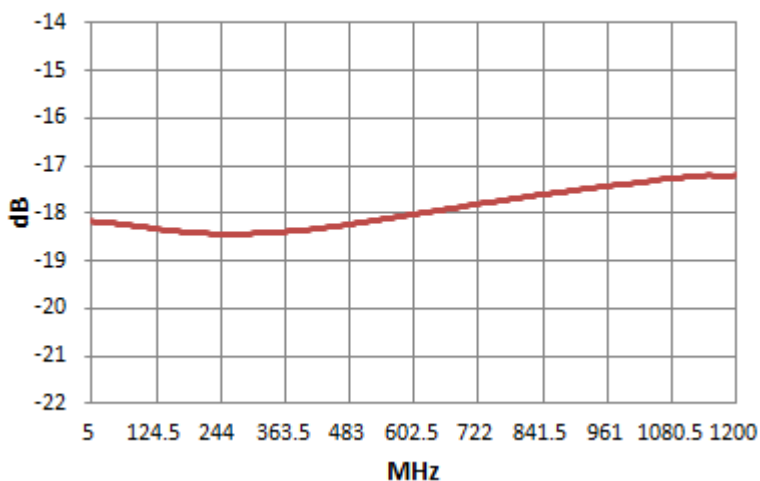
Low cost SMT transmission transformer designed high volume applications.

PIN CONFIGURATION

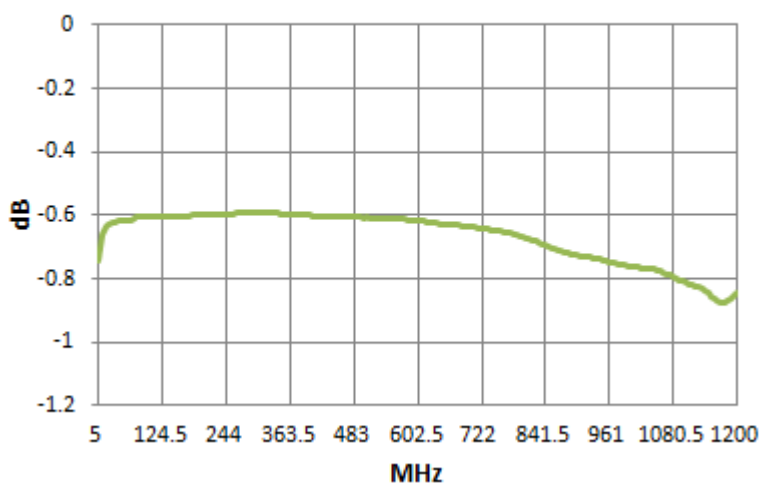
PIN	FUNCTION
6	Input
5	Ground
4	Coupled
3	External 75 ohms
1	Output

Electrical Specifications: TA=25°C, Zo=75Ω					
Parameter	Test Conditions	Units	Min.	Typ.	Max.
Coupling Pin6-4	5-1200MHz	dB	---	-18	± 1.0
Mainline Loss pin6-1	5-1200MHz	dB	---	-0.6	-0.9
Input return loss Pin6	5-1200MHz	dB	-18	-34	-
Output return loss Pin1	5-1200MHz	dB	-18	-33	-
Coupling Return Loss Pin4	5-1200MHz	dB	-18	-28	-
Isolation Return Loss Pin3	5-1200MHz	dB	-18	-34	-
Isolation pin6-3	5-50MHz	dB	-35	-42	-
	50-1200MHz	dB	-24	-32	-
RF Power Rating (max)		0.25W			
DC Current (max)		30mA			
Test Impedance (50Ω,75Ω, etc.)		75OHM			
Operating Temperature		-40°C to +85°C			
Storage Temperature		-40°C to +85°C			

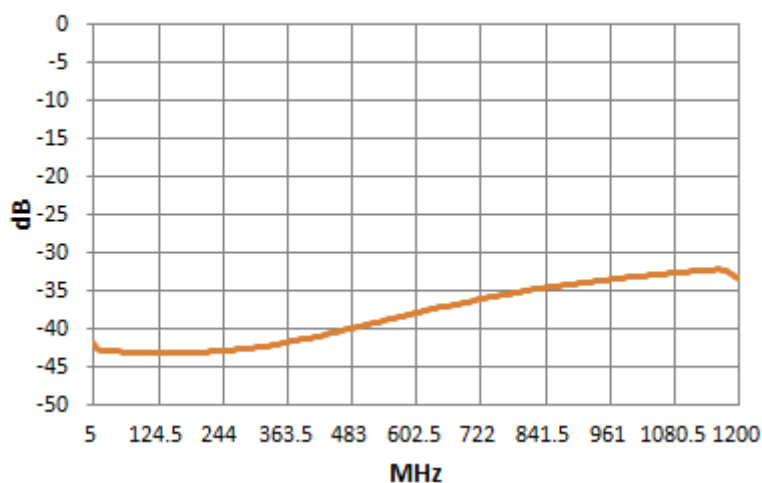
Coupling Pin6-4



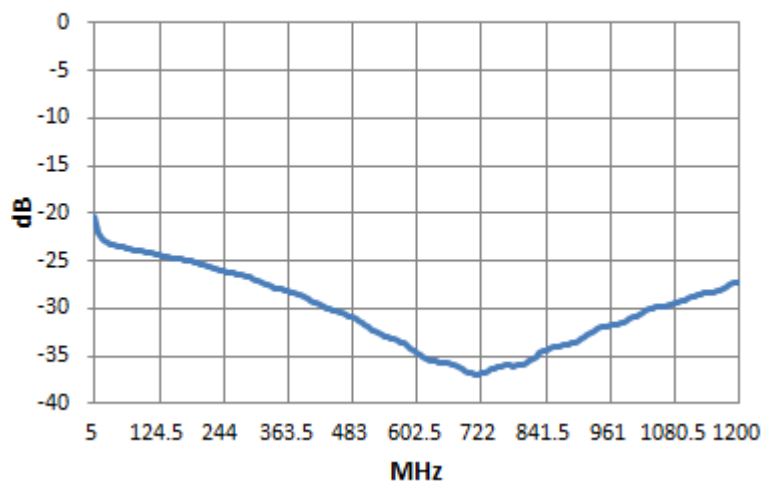
Mainline Loss Pin6-1



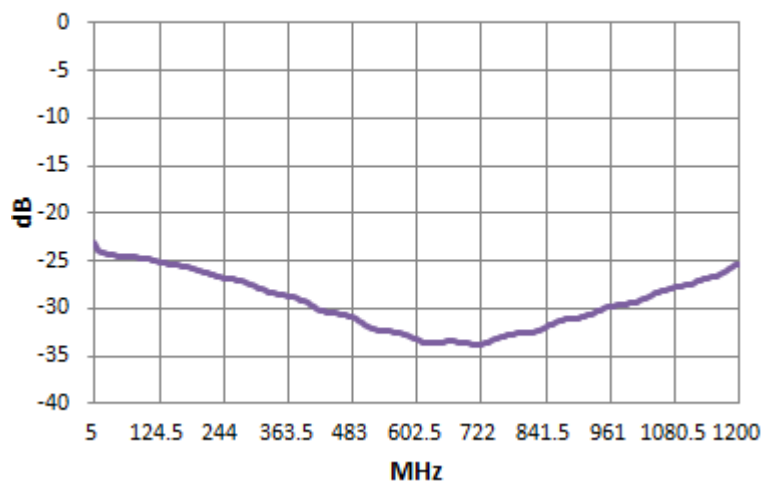
Isolation



Input Return Loss Pin6



Coupling Return Loss Pin4



Output Return Loss Pin1

