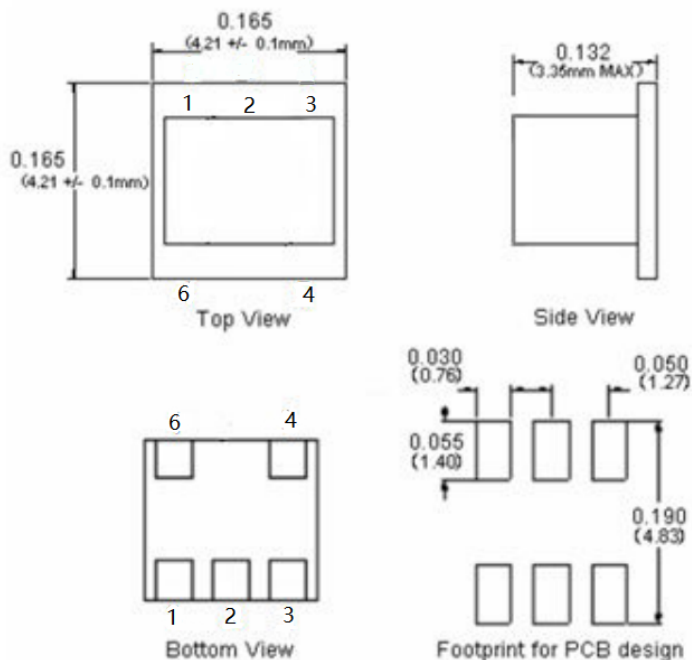


Outline drawing

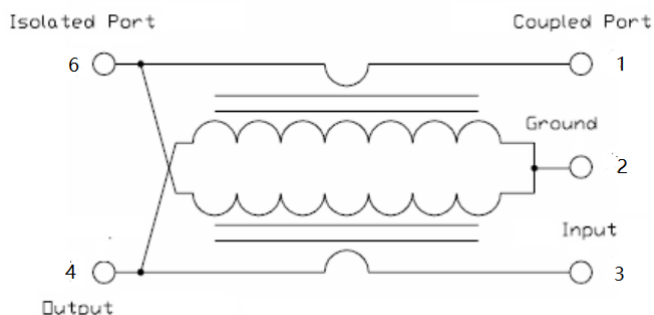
Feature:

17db coupler

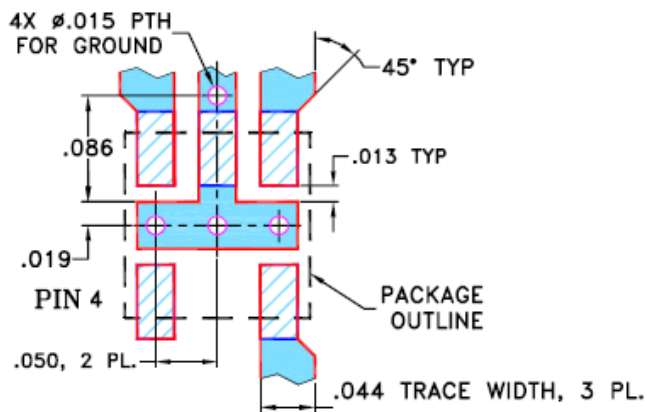
- Surface mount
- 260°C reflow compatible
- RoHS* compliant and lead free
- welding connect

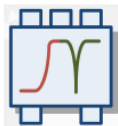


Schematic



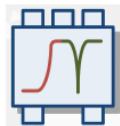
Suggested PCB Layout



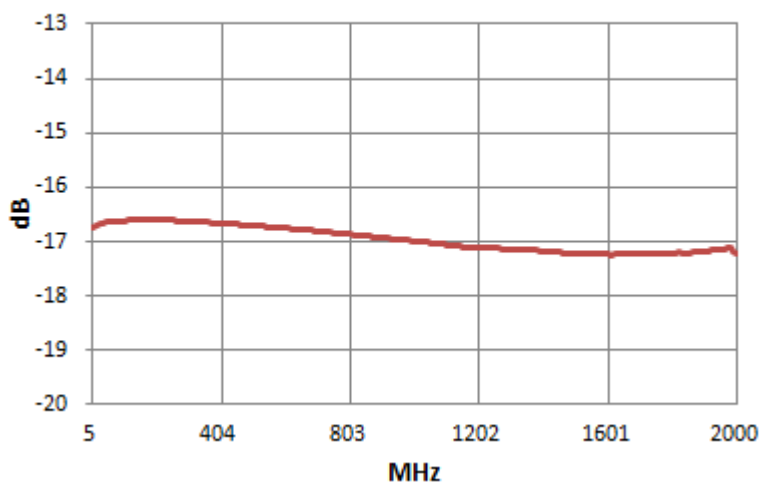
**PIN CONFIGURATION**

PIN	FUNCTION
3	Input
4	Output
1	COUPLED
2	GROUND
6	ISOLATE (DO NOT USE)

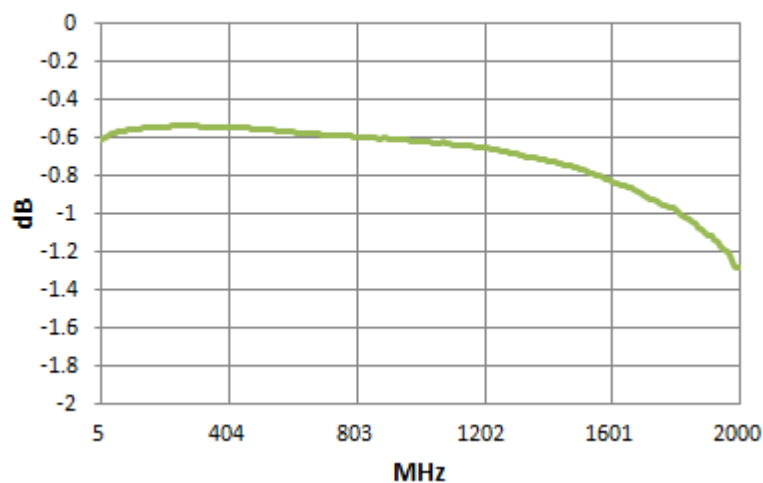
Electrical Specifications: TA=25°C, Zo=50Ω					
Parameter	Test Conditions	Units	Min.	Typ.	Max.
Coupling	50-1000MHz	dB	-16.3	-17.0	-17.7
	1000-1500MHz	dB	-16.3	-17.2	-18.1
	1500-2000MHz	dB	-16.5	-17.5	-18.5
Flatness	50-1000MHz	dB	---	---	±0.9
	1000-1500MHz	dB	---	---	±1.0
	1500-2000MHz	dB	---	---	±0.8
Mainline Loss	50-1000MHz	dB	---	-0.9	-1.4
	1000-1500MHz	dB	---	-1.0	-1.5
	1500-2000MHz	dB	---	-1.1	-1.8
Input return loss	50-1000MHz	dB	-20	-28	-
	1000-1500MHz	dB	-18	-25	
	1500-2000MHz	dB	-15	-25	
Output return loss	50-1000MHz	dB	-20	-28	-
	1000-1500MHz	dB	-18	-25	
	1500-2000MHz	dB	-15	-25	
Coupling Return Loss	50-1000MHz	dB	-14	-17	-
	1000-1500MHz	dB	-10	-14	
	1500-2000MHz	dB	-9	-12	
Directivity	50-1000MHz	dB	-13	-20	-
	1000-1500MHz	dB	-10	-20	
	1500-2000MHz	dB	--	-14	
RF Power Rating (max)		250mW			
DC Current (max)		30mA			
Test Impedance (50Ω,75Ω, etc.)		50OHM			
Operating Temperature		-40°C to +85°C			
Storage Temperature		-40°C to +85°C			



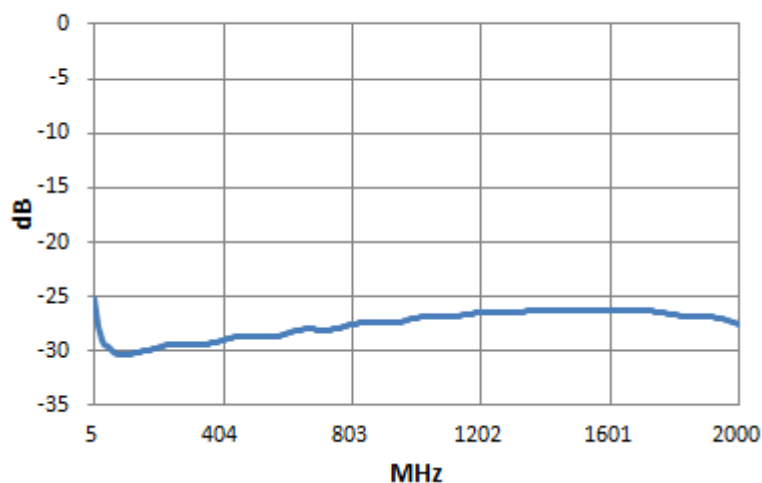
Coupling



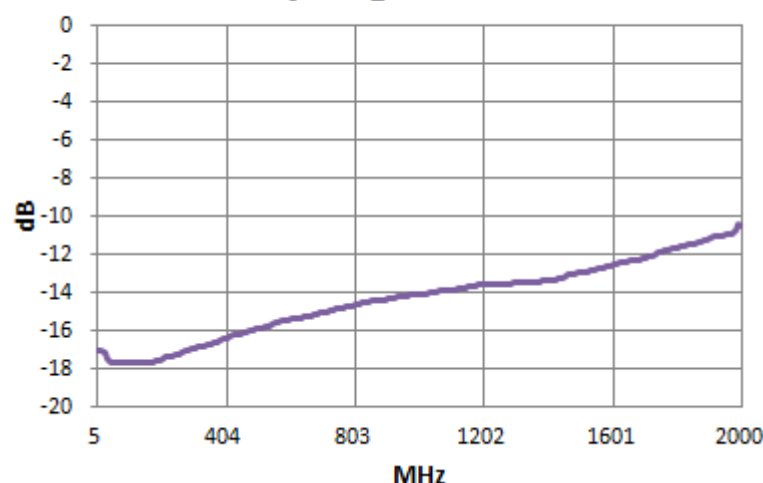
Mainline Loss



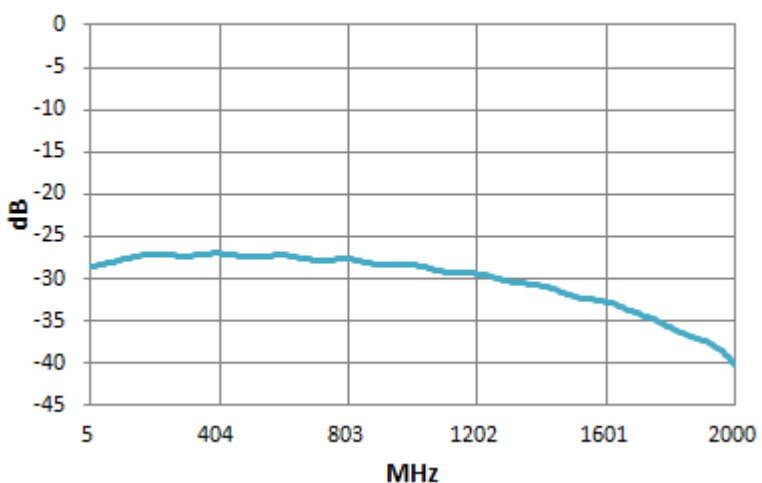
Input Return Loss



Coupling Return Loss



Output Return Loss



Directivity

