

Product Name: ZX050-LDC151821 Directional Coupler LDC series breakout Adapter SMA

Product Description: General purpose directional coupler Breakout Adapter enabling characterization, functional testing of ANY LDC15, LDC18, or LDC21 series package device from Murata - using 50 Ω (Ohms) 35μ gold plated SMA connectors as access point. Designed in 4 layer PCBoard with improved signal integrity and crosstalk. ZX050-LDC151821 is designed supporting all 3 LDC series PAD layout footprints.

Ideal evaluation, bringup, and testing of ANY coupler using LDC15, LDC18, and LDC21 series footprint packages.

Available GND test point header for system ground reference.

Application: Bringup, Characterization, testing, development, modular design evaluations

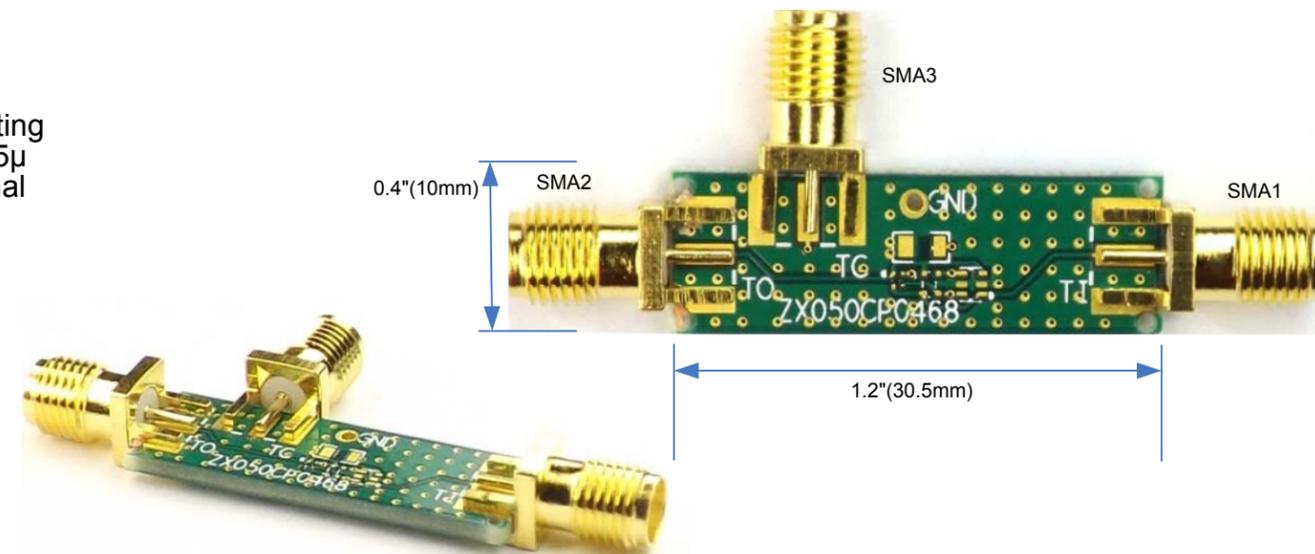
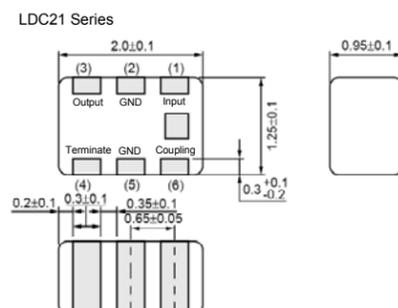
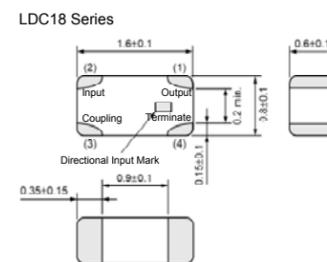
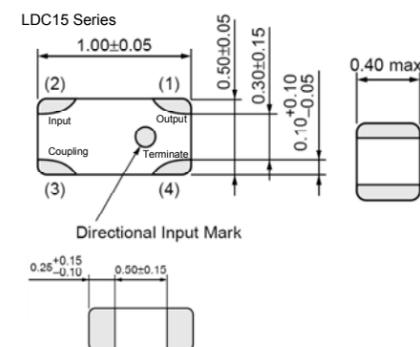
Target DUT : Designed specifically for use with LDC15, LDC18, and LDC21 SMD devices with SMA connector access

Pitch: LDC15, LDC18, LDC21 SMD package or equivalent

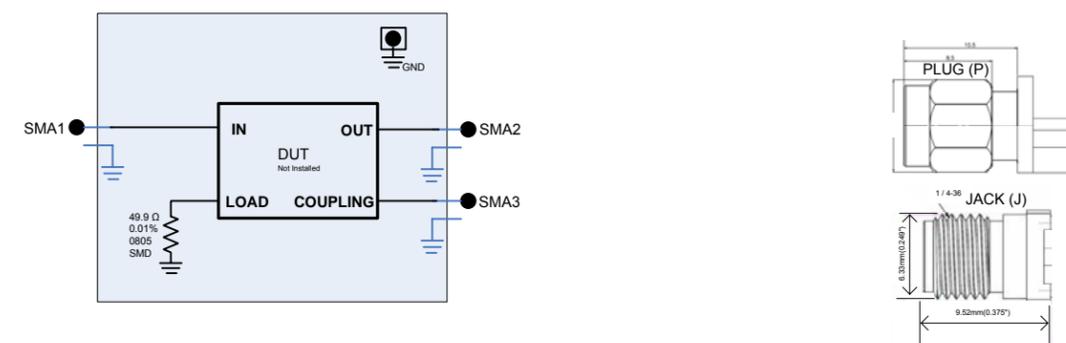
Headers: Ground test point - 0.025" SQ with 0.32" (5.6mm) post height

DUT Package: Surface Mount, 4 pin package –

- SMA:**
- Impedance: 50Ω
 - Temp Range: -65°C +165°C
 - Vibration: MIL-STD-202, Method 213
 - Frequency Range: DC – 12GHz
 - Working Voltage: 335V max
 - Withstand Voltage: 1000V rms
 - Center Contact: ≤3mΩ
 - Outer Contact: ≤2mΩ
 - Insulation resistance: ≥5000MΩ
 - VSWR Straight: ≤1.15 (0.8-2.5G)



Simplified Block Diagram:



Ordering INFO:

SMA1	SMA2	SMA3	Part Number
Jack	Jack	Jack	ZX050-LDC151821-JJJ
Plug	Jack	Plug	ZX050-LDC151821-PJP
Customer requirement			ZX050-LDC151821-XXX

-XXX orders, please specify type of SMA for placement of SMA1, 2, and 3 when ORDERING

NOTE: ZX050-LDC151821 is shipped without DUT. Zebax offers FREE DUT installation for any order. Please email for instructions

Note
ALL ZEBAX products are RoHS compliant and Lead Free unless otherwise indicated.

ZEBAX TECHNOLOGIES SANTA CRUZ, CA U.S.A (831) 222-0717 WWW.ZEBAX.COM		
SPECIFIED DIMENSIONS ARE INCHES (MM). ROHS COMPLIANT		ASSEMBLY DRAWING ITEM: ZX050-LDC151821
DESCRIPTION: LDC series Directional Coupler breakout adapter SMA		REVISION: 1.0 SHEET: 1 OF 1
CHECKED: M. MARINA	DRAWN: SLAVIK	

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