

Product Name: ZX050C-SOT26 (SC-74R) SOT26 (SC-74R) Characterization testing bringup breakout module

Product Description: High Speed characterization module meeting 10GHz signal bandwidth with < 0.3dB insertion loss. Each pin of the device under test- DUT, U1, is accessible via 2 dedicated SMA connectors for external stimulus as well as measurement purpose.

ZX050C-SOT26 (SC-74R) is designed for ASIC (IC) characterization, functional testing of ANY SOT26 (SC-74R) packaged device. ZX50C-SOT26 is designed with 50 Ω (Ohms) trace impedance using 4 layer PCB. The module includes 35μ gold plated SMA connectors.

Ideal evaluation, bringup, and testing of any discrete component such as ESD diode using SOT26 (SC-74R) footprint package.

Available 2 pin header for interfacing to any standard Power Supply. The onboard C1 (0402 SMD package) is available for applications using pin 5 of the DUT as supply rail to the device. C1 can be populated with 0.1 μF or similar decoupling capacitor.

AGND pin of the 2 pin header is the module's GND reference, interfacing with the module's AGND layers.

The "2-GND" SMA connectors have connection option to the module's GND reference, AGND, via onboard SS3 , SS4 (0402 SMD package). The SS3, SS4 can be removed, if required.

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

Target DUT : Designed specifically for any SOT26 (SC-74R) SMD device with SMA connector access to all pins of the SOT26 device.

Pitch: Standard SOT26 (SC-74R) SMD package or equivalent

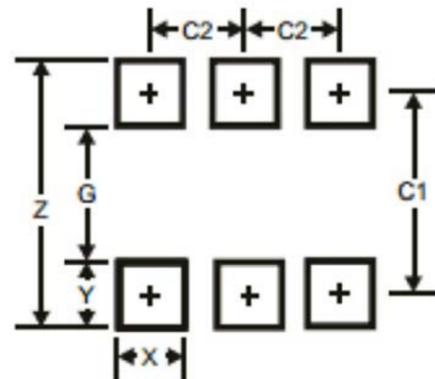
Headers: Ground access test point (GND) - 0.025" SQ with 0.32" (5.6mm) post height

DUT landing pads: Surface Mount, 6 pin package – see table below

DIMENSIONS (mm)

UNIT		Z	G	C1	C2	X	Y
mm	max	3.20	1.70	2.50	0.970	0.560	
	Typical	3.00	1.60	2.40	0.950	0.550	0.80
	min	2.60	1.50	2.30	0.930	0.410	0.40

OUTLINE Version	REFERENCES		
	IEC	JEDEC	JEITA
SOT26		SOT-26	SC-74R

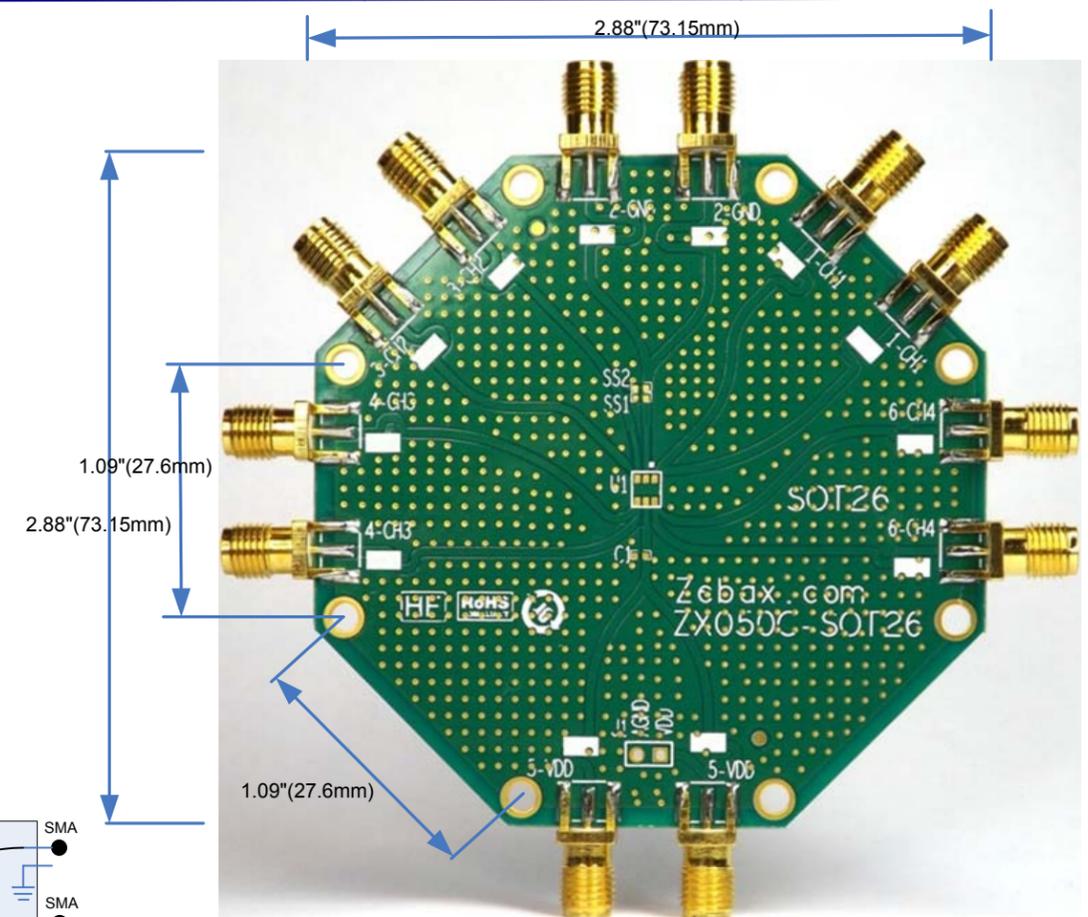
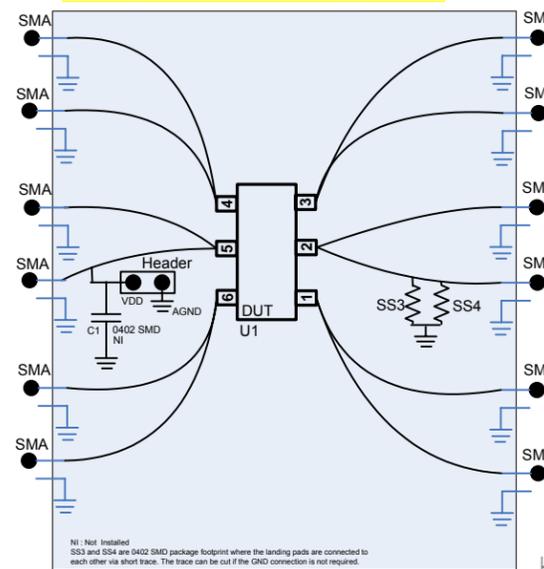


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Simplified Block Diagram:

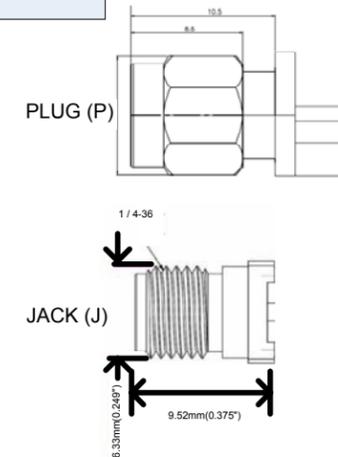


Ordering INFO:

Part Number
 ZX050C-SOT26-J SMA Jack Connector type (standard)
 ZX050C-SOT26-P SMA Plug connector type

NOTE: ZX050C-SOT26 is shipped without DUT and C1. All SMA connectors are installed.

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: ZX050C-SOT26 (SC-74R)	
DESCRIPTION: SOT26 (SC-74R) characterization testing bringup breakout adapter SMA		
CHECKED: M. MARINA	DRAWN: SLAVIK	REVISION: 1.0
		SHEET: 1 OF 1