

Product Name: ZX050-SOT23 (TO-236AB) SOT23 (TO236AB) breakout adapter SMA

Product Description: SOT23 (TO236AB) Breakout Adapter enabling characterization, functional testing of ANY SOT23 (TO236AB) packaged device using 50 Ω (Ohms) 35μ gold plated SMA connectors as access point. Designed in 4 layer PCBoard with improved signal integrity and crosstalk.

Ideal evaluation, bringup, and testing of any discrete component such as ESD diode using SOT23 (TO236AB) footprint package.

Available GND test point for ease of accessing inner GND layers along with top and bottom GND fills.

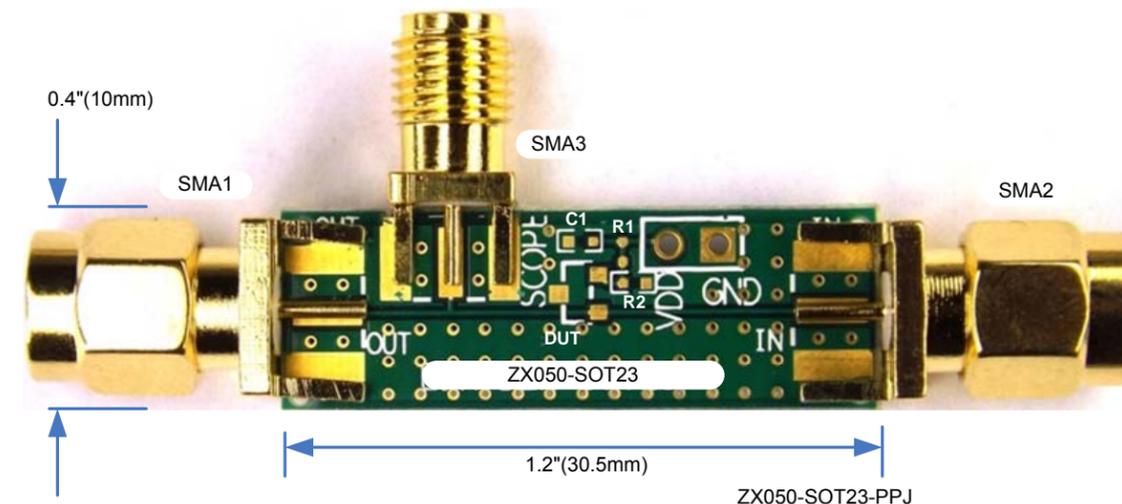
Application: Bringup, Characterization, testing, development, modular design evaluations

Target DUT : Designed specifically for any SOT23 (TO236AB) SMD device with SMA connector access

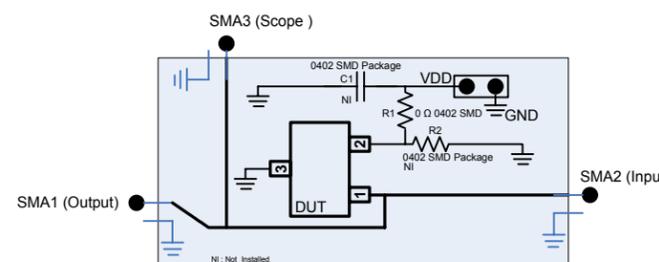
Pitch: Standard SOT23 (TO236AB) SMD package or equivalent

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

DUT landing pads: Surface Mount, 3 pin package – Body 2.9x1.3mm (Length Width) or equivalent



Simplified Block Diagram:



Ordering INFO:

SMA
Part Number 1 2 3
ZX050-SOT23- J J J
ZX050-SOT23- P P J
ZX050-SOT23- X X X

-XXX orders, please specify the required SMA type connectors when ordering as "the instuction" or Note".

NOTE: ZX050-SOT23 is shipped without DUT. Zebax offers **FREE DUT installation for any order.** Please email for instructions

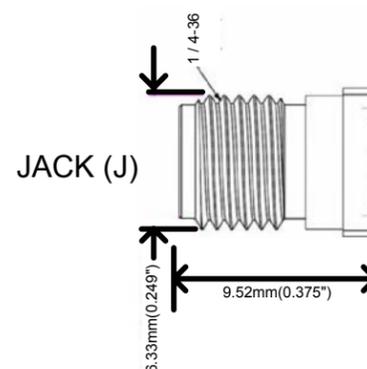
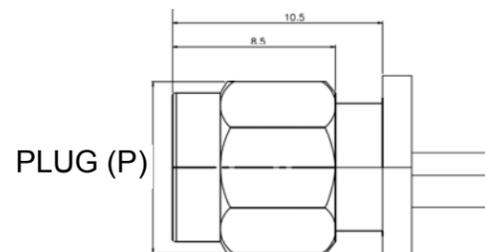
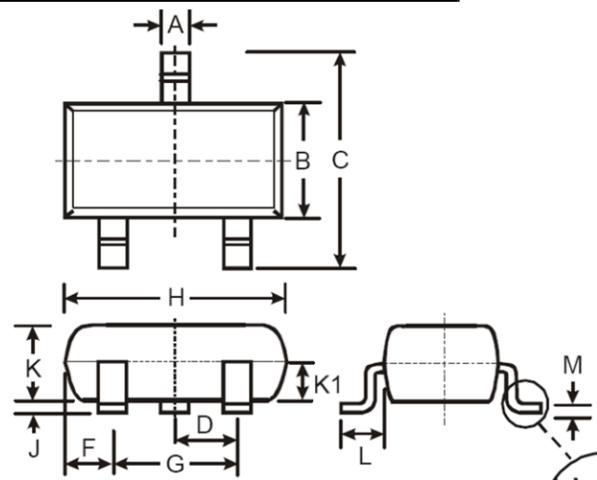
Note
ALL ZEBAX products are RoHS compliant and Lead Free unless otherwise indicated.

DIMENSIONS (mm)

UNIT		A	B	C	D	F	G	H	L
mm	max	0.51	1.40	2.50	1.030	0.600	2.05	3.00	0.61
	Typical	0.40	1.30	2.40	0.915	0.535	1.83	2.90	0.55
	min	0.37	1.20	2.30	0.890	0.450	1.78	2.80	0.45

OUTLINE Version	REFERENCES		
	IEC	JEDEC	JEITA
SOT23		TO236AB	SC-59

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)



ZEBAX TECHNOLOGIES SANTA CRUZ, CA U.S.A (831) 2 2 2 - 0717 WWW.ZEBAX.COM		
SPECIFIED DIMENSIONS ARE INCHES (MM). ROHS COMPLIANT		ASSEMBLY DRAWING ITEM: ZX050-SOT23 (TO236AB)
DESCRIPTION: SOT23 (TO236AB) breakout adapter SMA		
CHECKED: M. MARINA	DRAWN: SLAVIK	REVISION: 1.0 SHEET: 1 OF 1

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