

Product Name: ZX050-SOT323 (SC-70) SOT323 (SC-70) breakout adapter SMA

Product Description: SOT323 (SC-70) Breakout Adapter enabling characterization, functional testing of ANY SOT323 (SC-70) 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 SOT323 (SC-70) footprint package.

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

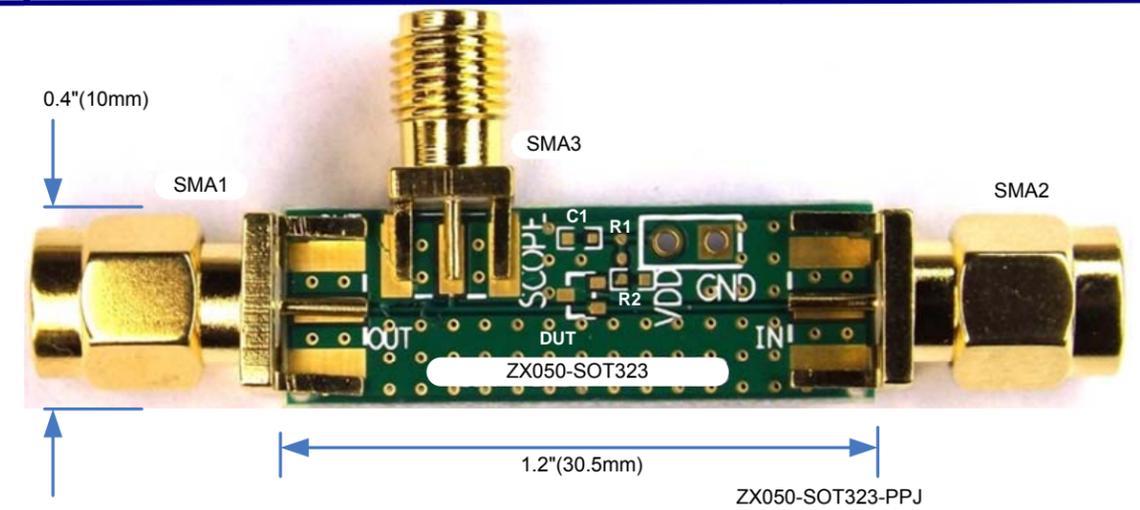
Application: Bringup, Characterization, testing, development, modular design evaluations

Target DUT : Designed specifically for any SOT323 (SC-70) SMD device with SMA connector access

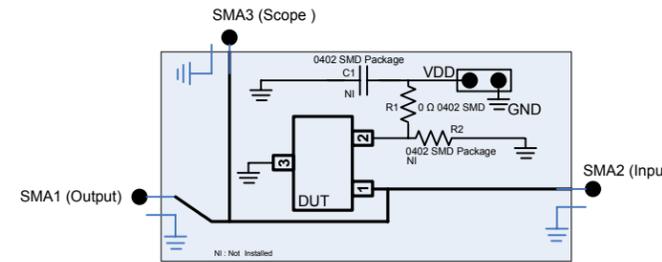
Pitch: Standard SOT323 (SC-70) SMD package or equivalent

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 2.0x1.25mm (Length Width) or equivalent



Simplified Block Diagram:



Ordering INFO:

SMA
 Part Number 1 2 3
 ZX050-SOT323- J J J
 ZX050-SOT323- P P J
 ZX050-SOT323- X X X

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

NOTE: ZX050-SOT323 is shipped without DUT. **Zebax offers FREE DUT installation for any order.** Please email for instructions

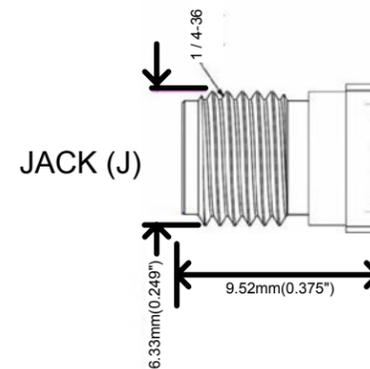
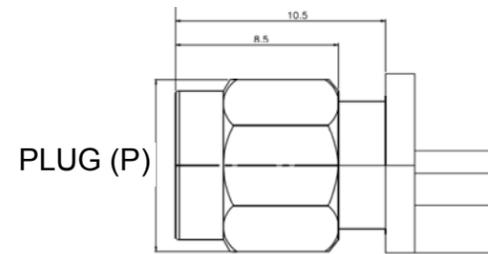
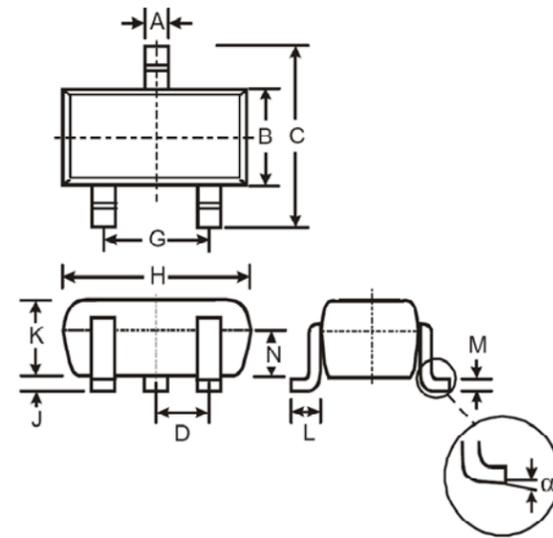
Note
 ALL ZEBAX products are RoHS compliant and Lead Free unless otherwise indicated.

DIMENSIONS (mm)

UNIT		A	B	C	D	G	H	L
mm	max	0.40	1.35	2.20	0.650	1.40	2.20	0.40
	Typical	0.30	1.30	2.10		1.30	2.15	0.30
	min	0.25	1.15	2.00		1.20	1.80	0.25

OUTLINE Version	REFERENCES			
	IEC	JEDEC	JEITA	
SOT323			SC-70	

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)



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SPECIFIED DIMENSIONS ARE INCHES (MM). ROHS COMPLIANT	ASSEMBLY DRAWING
	ITEM: ZX050-SOT323 (SC-70)

DESCRIPTION: SOT323 (SC-70) breakout adapter SMA

CHECKED: M. MARINA	DRAWN: SLAVIK	REVISION: 1.0 SHEET: 1 OF 1
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