

Product Name: ZX050R-10GHz Precision Passive Termination SMA 50Ω DC to 10GHz 250mW 1% tolerance

Product Description: Precision passive SMA termination Load 50 Ohms 1% tolerance 250mW designed to meet wideband DC to 18GHz at Max. of -1.2dB insertion loss at 10GHz.; Ideal for HDMI, Display Port, USB, CSI, DSI, USB signal analysis applications.

SMA Plug (SMA Male)
 49.9 Ω
 1% tolerance
 250mW termination load

Application: Complementing ZX2xx series HDMI, Display Port, USB test boards from Zebax and all other applications requiring precision termination 50 Ohms load with exceptional low insertion loss.

Mates with : SMA standard connector, (SMA Female)

Electrical Specification TAMB=25°C

FREQUENCY (MHZ)	IMPEDANCE (OHMS)	RETURN LOSS (dB)				Power Rating
		DC-4GHz	4-8GHz	8-12GHz	12-18GHz	
DC-18000 (SMA Male)	50	1.0	1.1	1.2	1.5	250mW

Electrical Specification TAMB=25°C

FREQUENCY (MHZ)	IMPEDANCE (OHMS)	VSWR				Power Rating
		DC-3GHz	3-8GHz	8-12GHz	12-18GHz	
DC-18000 (SMA Male)	50	1.05:1	1.10:1	1.15:1	1.25:1	250mW

Ratings:

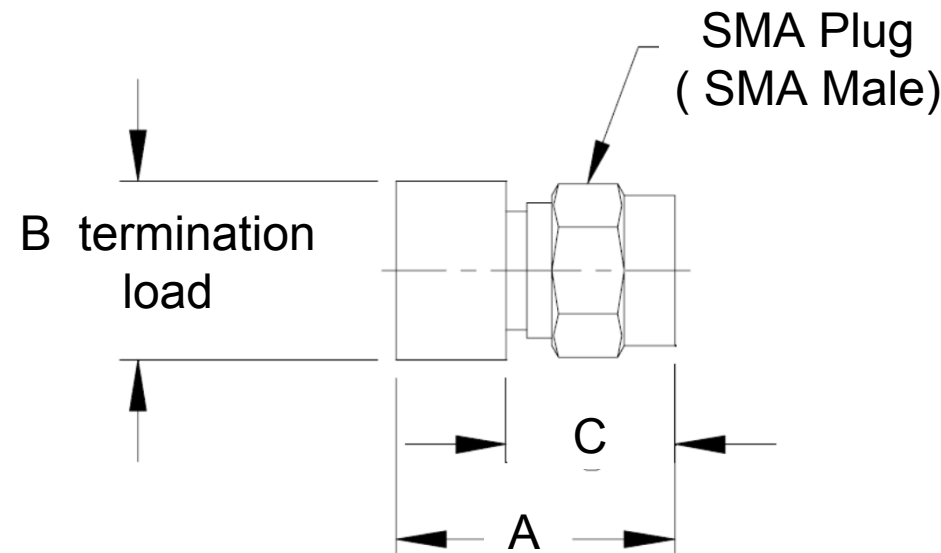
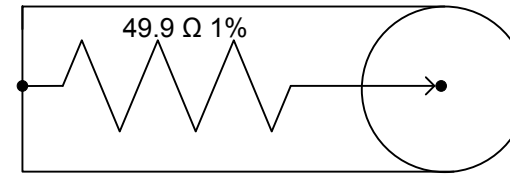
Operating Voltage: 335VRMS Max.
 Operating Temperature: -65°C to +125°C
 Nominal Impedance: 49.9 Ω (Ohms) 1% tolerance
 Frequency Range: DC to 18.0GHz
 Power: 250mW

Weight: 0.1 oz (3g)

Connector:

Type: SMA Male
 Inner Conductor Material and Plating: Copper, Gold
 Outer Conductor Material and Plating: Passive Copper, Gold
 Coupling Nut Material and Plating: Passive Copper, gold
 Hex Size: 5/16 inches (8mm)
 Torque: 8 in-lb (0.9Nm)
 Body Material and Plating: Passive copper, Gold
 Dielectric Type: PTFE

Schematic



CASE	A	B	C	Weight
SMA Plug (SMA Male)	0.47 (12mm)	0.24 (6.1mm)	0.47 (12mm)	0.1oz (3 Grams)

Dimensions are in inches (mm). Tolerances: 2Pl. ±0.02% 3Pl. ±0.014

Ordering INFO:
 Part Number: ZX050R-10GHz

Compliance: RoHS Compliant



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: ZX050R-10GHz
DESCRIPTION: Precision Passive SMA termination load 50 Ohms – 250mW DC to 10GHz		
CHECKED: M. MARINA	DRAWN: SLAVIK	REVISION: 1.0 SHEET: 1 OF 1

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