

COAXIAL

# Adapter

**SM-SM50-27+**

Mini-Circuits

50Ω DC to 26.5 GHz SMA-Male to SMA-Male

**KEY FEATURES**

- DC to 26.5 GHz
- Low Insertion Loss, 0.06 dB Typ.
- Excellent VSWR, 1.05:1 Typ.
- Straight Body

*Generic photo used for illustration purposes only***PRODUCT OVERVIEW**

Mini-Circuits' SM-SM50-27+ is a coaxial SMA-Male to SMA-Male adapter supporting a wide range of applications from DC to 26.5 GHz. This model provides excellent VSWR and low insertion loss versus frequency. The SM-SM50-27+ features passivated stainless-steel construction and measures only 0.87" in length.

**ELECTRICAL SPECIFICATIONS AT +25°C**

Parameter	Frequency (GHz)	Min.	Typ.	Max.	Units
Frequency Range		DC		26.5	GHz
Insertion Loss	0.01-12	-	0.04	0.40	dB
	12-18	-	0.06	0.40	
	18-26.5	-	0.07	0.40	
VSWR	0.01-12	-	1.04	1.20	:1
	12-18	-	1.04	1.20	
	18-26.5	-	1.06	1.20	

**ABSOLUTE MAXIMUM RATINGS<sup>1</sup>**

Operating Case Temperature	-45°C to +125°C
Storage Temperature	-45°C to +125°C

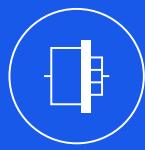
1. Permanent damage may occur if any of these limits are exceeded.

REV. OR  
ECO-022164  
SM-SM50-27+  
MCL NY  
240620

**Mini-Circuits®**

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PAGE 1 OF 4

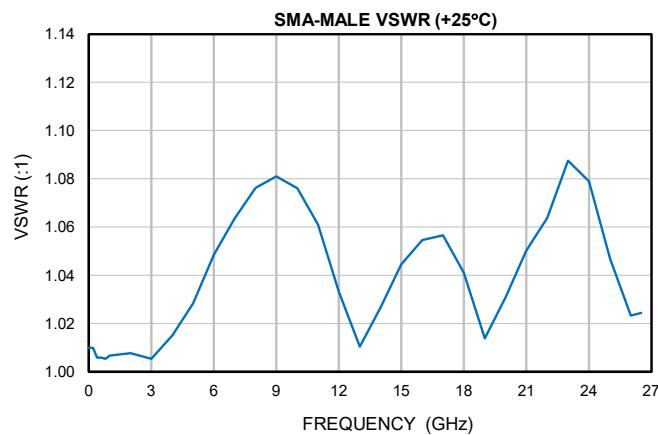
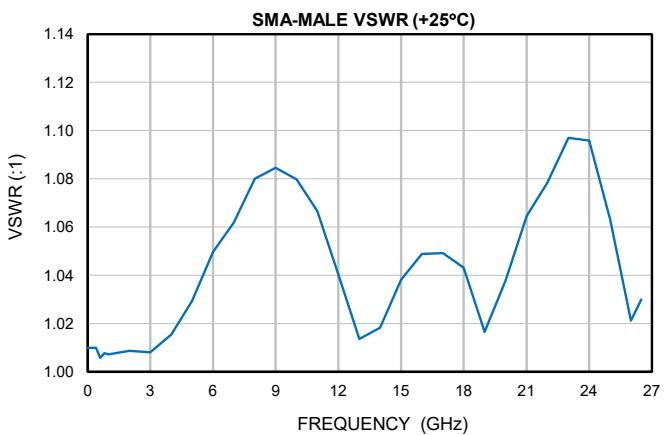
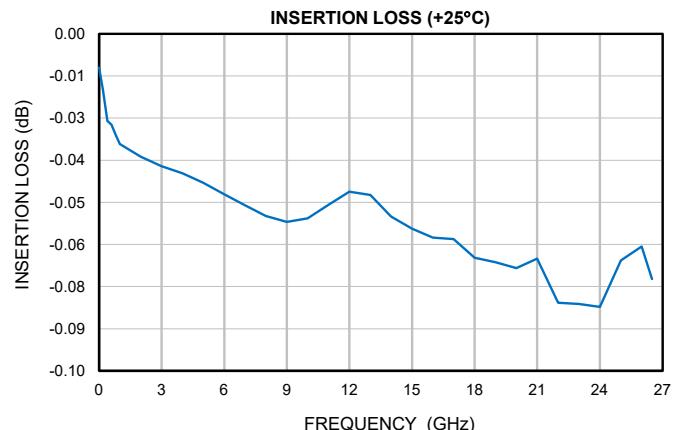


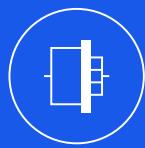
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**TYPICAL PERFORMANCE GRAPHS**



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# Adapter

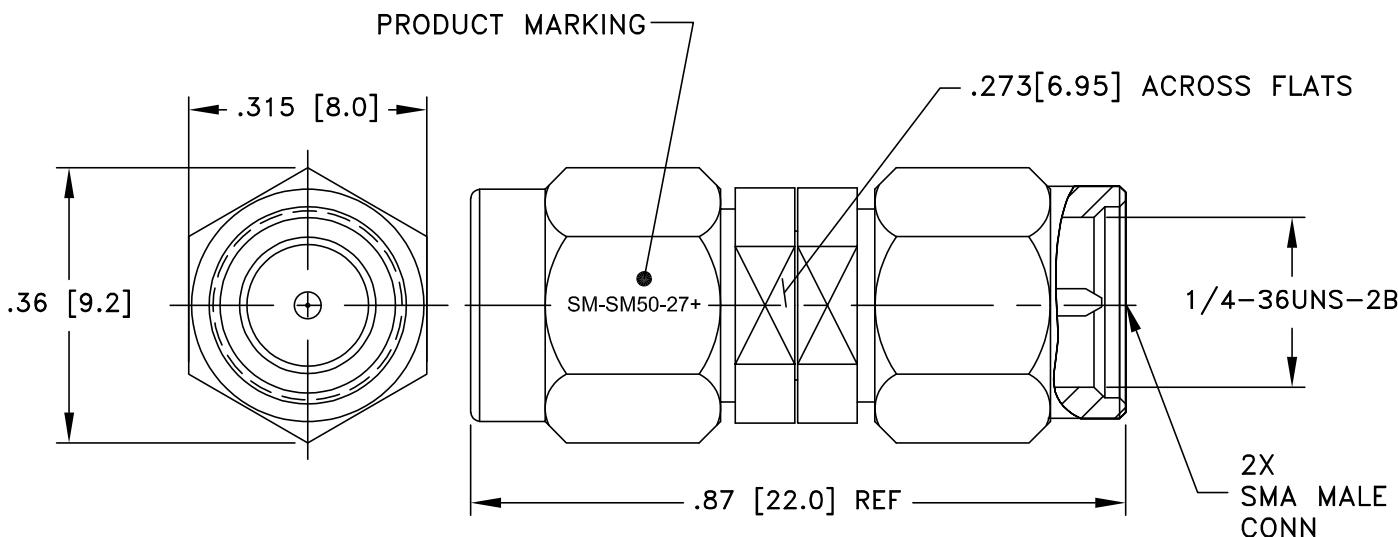
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**CONNECTOR SPECIFICATIONS**

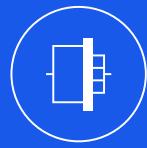
Description	Connector 1	Connector 2
Connector Type	SMA Male	SMA Male
Orientation	Straight	Straight

**CASE STYLE DRAWING**

Weight: 4.9 grams

Dimensions are in inches [mm]. Tolerances: 2 Pl.  $\pm .030$ ; 3 Pl.  $\pm .015$  Inches**PRODUCT MARKING\*:** SM-SM50-27+

\*Marking may contain other features or characters for internal lot control.



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**ADDITIONAL INFORMATION IS AVAILABLE ON OUR DASHBOARD** [CLICK HERE](#)

<b>Performance Data &amp; Graphs</b>	<a href="#">Data</a> <a href="#">Graphs</a> <a href="#">S-Parameter (S2P Files) Data Set (.zip file)</a>
<b>Case Style</b>	DJ3488-2
<b>RoHS Status</b>	Compliant
<b>Environmental Ratings</b>	ENV28T2

**NOTES**

- A. Performance and quality attributes and conditions not expressly stated in this specification document are intended to be excluded and do not form a part of this specification document.
- B. Electrical specifications and performance data contained in this specification document are based on Mini-Circuit's applicable established test performance criteria and measurement instructions.
- C. The parts covered by this specification document are subject to Mini-Circuits standard limited warranty and terms and conditions (collectively, "Standard Terms"); Purchasers of this part are entitled to the rights and benefits contained therein. For a full statement of the standard terms and the exclusive rights and remedies thereunder, please visit Mini-Circuits' website at [www.minicircuits.com/terms/viewterm.html](http://www.minicircuits.com/terms/viewterm.html)

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