



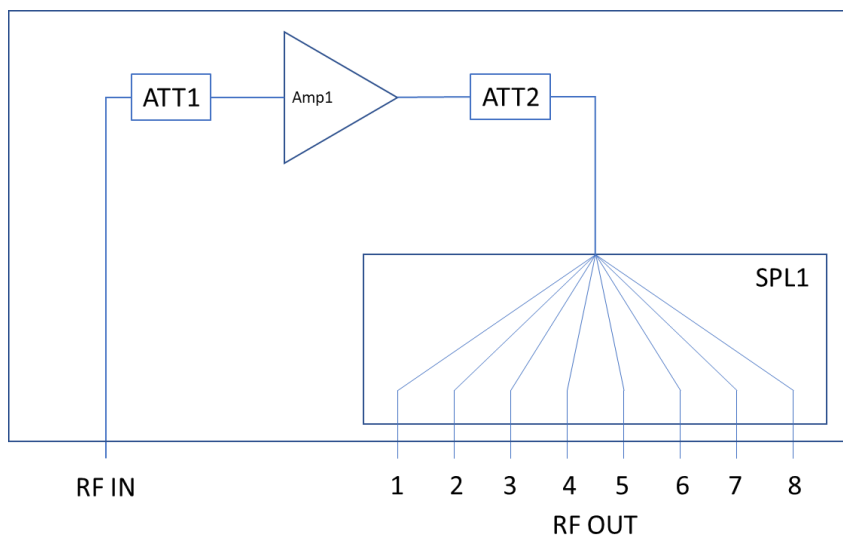
## Product Overview

Mini-Circuits' ZT-338 is an 8-way active power splitter covering L-band (950-2150 MHz), ideal for satcom and GNSS (GPS, GLONASS & Galileo) signal distribution applications. The splitter is powered from the AC mains input to give unity gain from input to each output.

The system is housed in a compact 19-inch rack chassis, 1U height, with all RF ports (SMA female) on the front panel.

## Electrical Specifications at 25°C

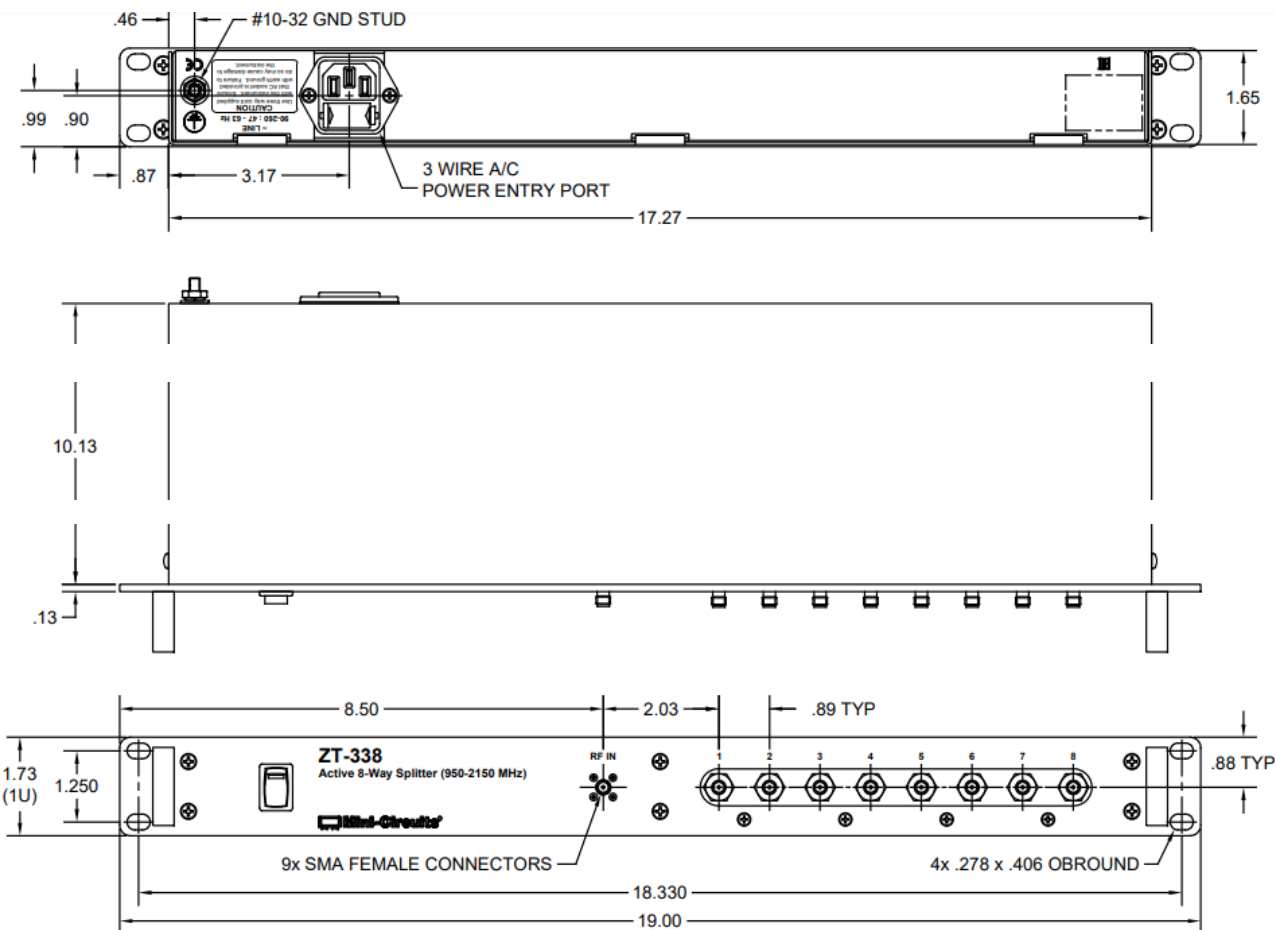
Parameter	Conditions	Min	Typ	Max	Units
Frequency		950		2150	MHz
Path Gain		-2	0.5	3	dB
Amplitude Unbalance			0.5		dB
Phase Unbalance			10		°
Return Loss			22		dB
Isolation	Between output ports	18	30		dB
Input Power	@ 1 dB compression		+5		dBm
Output IP3			+24		dBm



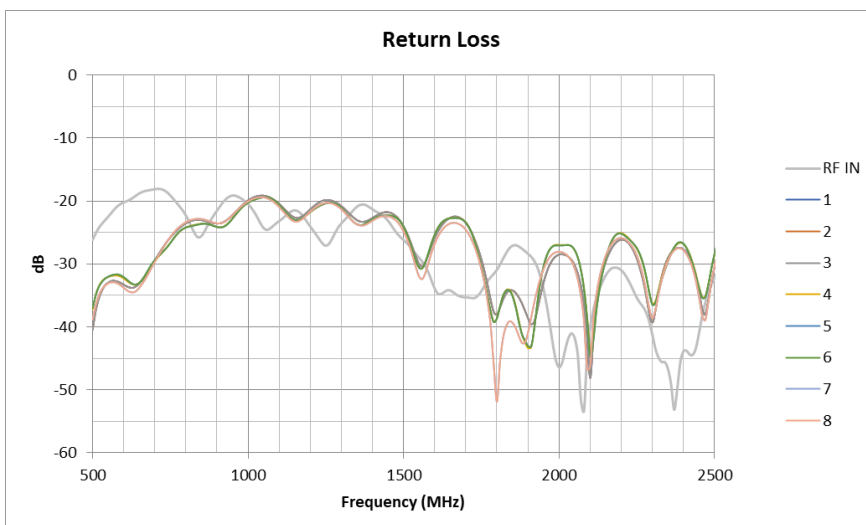
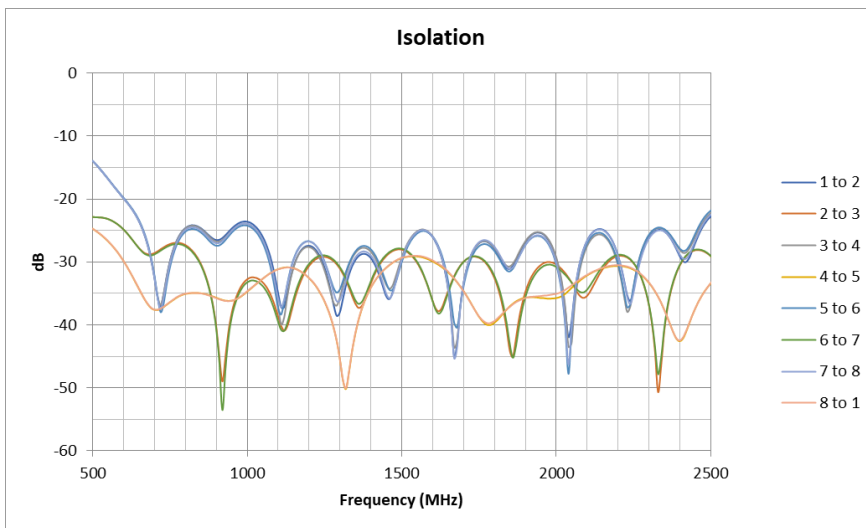
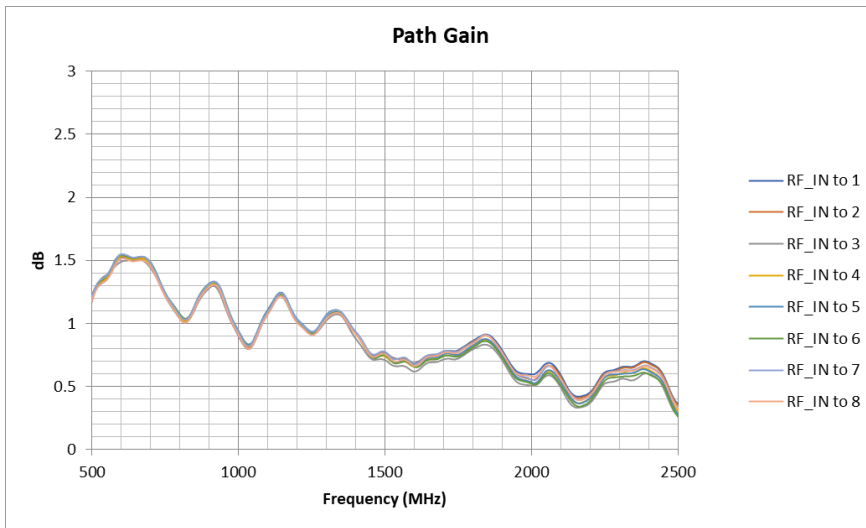
## Mechanical Specifications

<b>Dimensions</b>	19" (W) x 1U (H) x 10" (D)			
<b>Case Drawing</b>	99-01-1864			
<b>Case Material</b>	• Aluminum (with protective coating to prevent corrosion)			
<b>RF Connectors</b>	<b>Panel</b>	<b>Connector</b>	<b>Quantity</b>	<b>Port Labels</b>
	Front	SMA female	9	RF IN & 1-8
<b>Panel Items</b>	<b>Front Panel</b>			<b>Rear Panel</b>
<b>Panel Marking</b>	<ul style="list-style-type: none"> <li>• Model name</li> <li>• Active 8-Way Splitter</li> <li>• 950-2150 MHz</li> </ul>			<ul style="list-style-type: none"> <li>• CE / UKCA / EAC</li> <li>• Serial number / date code / model name</li> </ul>
<b>Other</b>	<ul style="list-style-type: none"> <li>• Power on / off switch with LED</li> <li>• Carry handles</li> </ul>			<ul style="list-style-type: none"> <li>• AC mains power input (IEC C14 inlet)</li> </ul>
<b>Power Supply</b>	AC mains power input (90-260 V, 47-63 Hz)			
<b>Fuse</b>	2A, 250V rating			
<b>Temperature</b>	Operating: 0 to +50 °C			

## Outline Drawing



**Typical Performance Data**



## Ordering Information

Please contact Mini-Circuits' Test Solutions department for price and availability:

[testsolutions@minicircuits.com](mailto:testsolutions@minicircuits.com)

## Included Accessories

Model Name	Quantity	Description
CBL-3W-xx*	1	AC power cord (IEC C13 connector to local plug)
HT-4-SMA	1	SMA Cable Wrench (4 in)

Cable Model	Region
CBL-3W-US	USA
CBL-3W-EU	Europe
CBL-3W-IL	Israel
CBL-3W-UK	UK
CBL-3W-AU	Australia / China

\*Please specify one option on the purchase order, at no charge

### Additional Notes

- 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.
- Electrical specifications and performance data contained in this specification document are based on Mini-Circuit's applicable established test performance criteria and measurement instructions.
- 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/MCLStore/terms.jsp](http://www.minicircuits.com/MCLStore/terms.jsp)