

## Overview

Southwest Antennas Part # 1081-003 is a two junction coax isolator with a minimum 23 dB isolation between 800 - 1,000 MHz and rated to 300 watts of peak forward power, 10 watts peak reverse power. Part # 1081-003 features Type-N(f) RF connectors on both ports.

Part # 1081-003 is ideal for applications that use the following frequency bands:

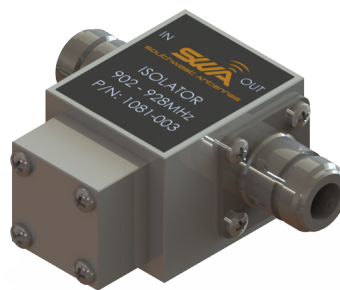
- 902 - 928 MHz UHF Band

## Features:

- 800 - 1,000 MHz frequency range
- 23 dB minimum isolation
- 300 watt maximum forward power
- 10 watts maximum reverse power
- Type-N(f) RF connectors on both ports

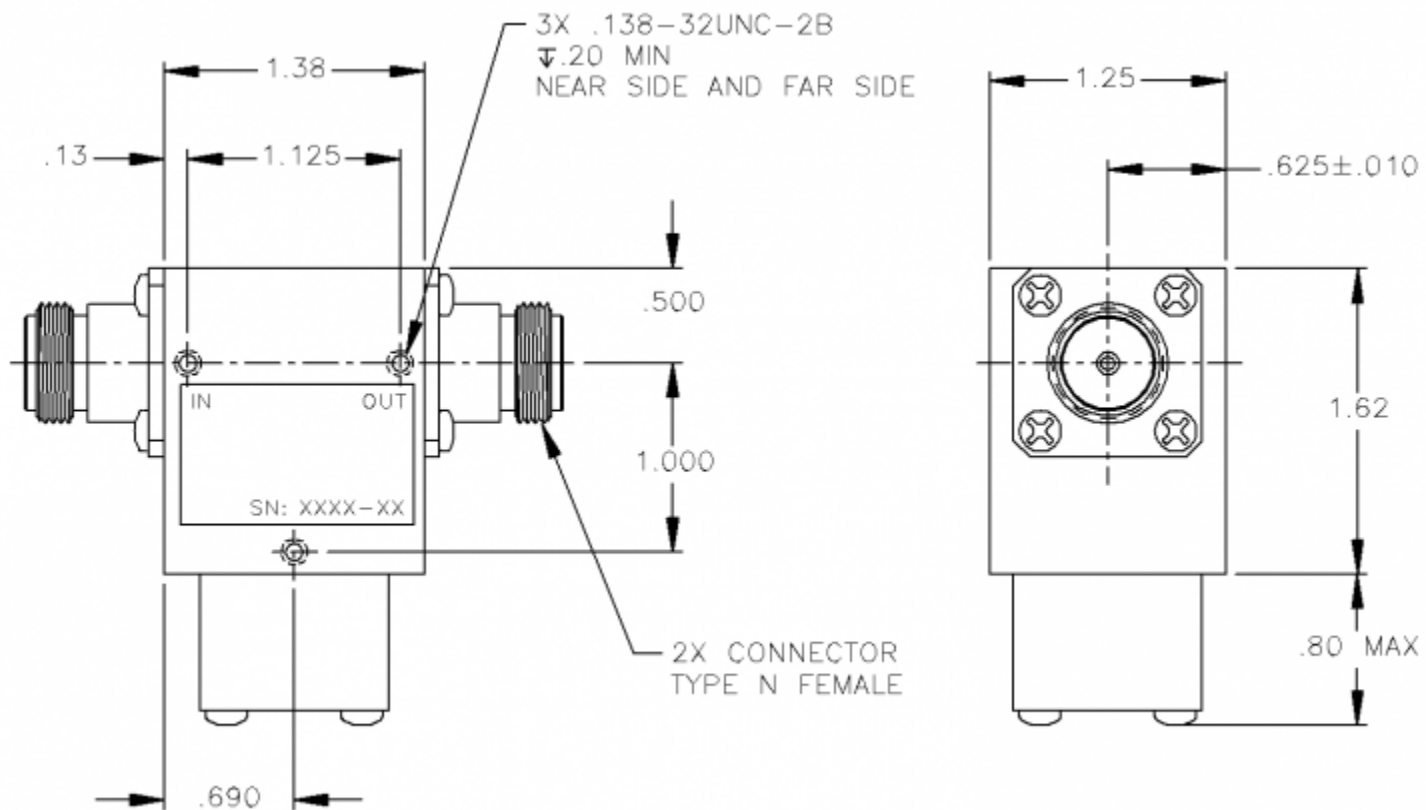
## Applications:

- Military / DoD radio systems
- Federal and local law enforcement radio systems
- RF communication systems and wireless infrastructure
- Aircraft communication systems
- UAV / UGV communication systems



**Product Specifications**

Parameter	Value	Units	Tolerance
Frequency Band	UHF		
Impedance	50	Ohms	
Minimum Frequency	0.8 / 800	GHz / MHz	
Maximum Frequency	1.0 / 1,000	GHz / MHz	
Maximum VSWR	1.15:1	Ratio	
Insertion Loss	0.30	dB	Maximum
Isolation	23	dB	Minimum
Peak Power	300	watts	
Average Power	150	watts	
Power Termination	10	watts	
RF Connector Type	Type-N(f)		
Operating Temperature Range	0 to +75	C	
Product Length	1.38 / 35.05	inches / mm	
Product Width	2.42 / 61.47	inches / mm	
Product Height	1.25 / 31.75	inches / mm	
Product Weight	10.6 / 299.9	oz / grams	



**Engineering Drawing**

All dimensions are in inches