

# ALS1S2429X 2.4 GHz Low Noise Amplified Splitter



## ALS1S2420X Splitter

The ALS1S2420X Low Noise Amplified Splitter is designed for use with 2.4 GHz receivers. When placed in-line between the receivers and antenna, the splitter allows two 2.4 GHz receivers to share a single antenna with improved range and sensitivity thanks to the integrated Low Noise Amplifier (LNA).

The ALS1S2420X is a compact, yet rugged LNA Splitter designed to IP67 for good environmental sealing. If the ALS1S2420X does not meet your exact specification, contact us for a custom solution.

## Specifications

### Electrical Characteristics

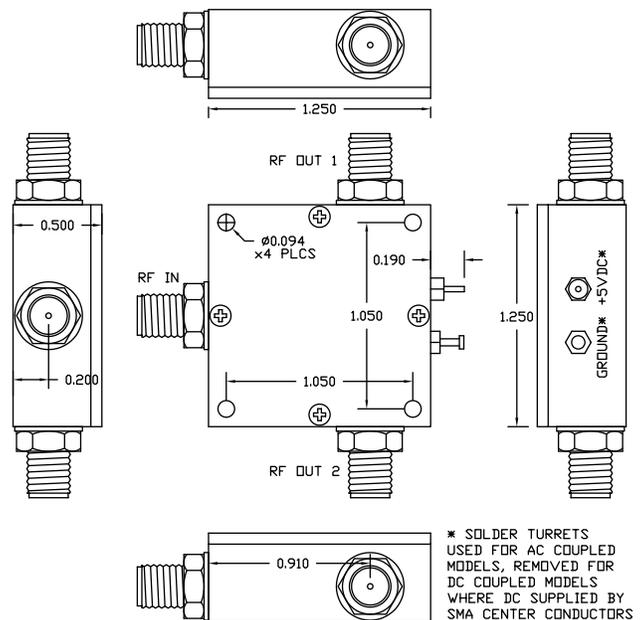
Minimum Frequency:	2400 MHz
Maximum Frequency:	2500 MHz
Noise Figure (Typical):	1.2 dB
Insertion Gain (Typical):	10 dB
P1dB (Typical):	+15 dBm
Input Power (Max)	+15 dBm
Input VSWR (Typical):	<1.5:1
Output VSWR (Typical):	<1.5:1
Split Characteristic:	Equal Power, In-Phase
Split Imbalance (Typical):	<0.3 dB, <1 Degree
Coupling (Specify):	AC Input, AC or DC Outputs
Input Voltage Range:	+5VDC +/-0.25
Input Voltage Connector:	Turrets (AC Coupled) or SMA Center Conductor (DC Coupled to RF Output)
DC Current (Typical):	40 mA

### Mechanical Characteristics

Dimensions:	1.25" x 1.00" x 0.50"
Material:	CNC Machined T6061-T6 Aluminum
Finish:	Gold Iridite
Weight:	<1 oz.
Connectors:	SMA Female

### Environmental

Temperature:	-20C to +50C
Seal Rating:	IP67



Advanced Microwave Products  
PO Box 1437  
2465 Old Highway 40 West, Suite 200  
Verdi, NV 89439

Phone: (775) 345-9933  
E-mail: sales@advmw.com  
Web: www.advmw.com