



**ATS-ADS-10#V**

**1 GHz VERTICAL SPLITTER  
2-WAY, 3-WAY, 4-WAY, 6-WAY, AND 8-WAY**



**FEATURES**

- NICKEL PLATED SEALED DIE CAST HOUSING
- CONICAL SEIZURE MECHANISMS
- INTEGRAL GROUND BLOCK
- PRIMUM RF SPECIFICATIONS
- BANDWIDTH (5 MHz—1 GHz)

**ADS Vertical RF Splitters (5MHz—1000MHz Bandwidth)**

**Insertion Loss (dB, Max)**

Frequency (MHz)	2 Way	3 Way	3 Way (Bal)	4 Way	6 Way	8 Way
5-10	3.5	3.5/7.0	5.5	7.0	9.0	10.6
11-20	3.5	3.5/7.0	5.5	7.0	9.0	10.5
21-50	3.5	3.5/7.0	5.5	7.0	9.4	10.5
51-400	3.5	3.5/7.0	5.5	7.1	9.4	10.5
401-500	3.6	3.6/7.2	5.5	7.4	9.5	10.5
501-600	3.7	3.7/7.5	5.9	7.4	9.6	11.5
601-900	3.8	3.9/7.9	5.9	7.9	10.1	11.5
901-1000	4	4.1/7.9	6	8.1	10.4	11.5

**Return Loss (dB,Min)**

Frequency (MHz)	2 Way	3 Way	3 Way (Bal)	4 Way	6 Way	8 Way
5-15	20	20	20	20	20	20
16-40	30 (25input)	30 (25input)	30 (25input)	30 (25input)	30 (25input)	30 (25input)
41-400	20	20	20	20	20	20
401-500	20	20	20	20	20	20
501-600	20	20	20	20	20	20
601-900	20	20	20	20	20	20
901-1000	20	20	20	20	20	20

**Isolation (dB, Min)**

Frequency (MHz)	2 Way	3 Way	3 Way (Bal)	4 Way	6 Way	8 Way
5-15	20	20	20	20	20	20
16-40	35	35	35	35	35	35
41-400	20	20	20	20	20	20
401-500	20	20	20	20	20	20
501-600	20	20	20	20	20	20
601-900	20	20	20	20	20	20
901-1000	20	20	20	20	20	20

**Second Harmonic**

	2 Way	3 Way	3 Way (Bal)	4 Way	6 Way	8 Way
dB m V	-60	-60	-60	-60	-60	-60
Second Harmonic	-45 dBm V, measured with a +55 dBm V return input carrier					

**EMI Isolation (ingress or egress) 130dB**

UL listed dielectric materials.

F-port: Flat, sealed, machined for exceptional RF and weatherproof integrity. In full compliance with SCTE physical specifications.

Seizures: Conical, beryllium copper. Ground Screw: Triple combo design. Mounting Screws: Triple combo nickel plated steel (2)