

IM148699



APS-1

Antenna Combiner/Splitter

The APS-1 is a 2:1 antenna splitter or combiner. This is a great solution to combine or distribute simple 2-up systems set-ups of BTR-800 or BTR-700. The APS-1 can be used with any UHF Telex® RadioCom™ base.

Features

Small Size, approximately 2" x 2"

Convenient TNC connectors (NO Coaxial Adapters Required)

Signal Loss: -3.5 dB

Frequency Range: 100 MHz to 900 MHz

Low insertion loss, 0.3 dB typ.

Good isolation, 26 dB typ.

Up to 5W power input as splitter

Excellent amplitude unbalance, 0.1 dB typ.

Excellent phase unbalance, 1 degree typ.

Rugged shielded case

Line Drawing



APS-1 Specifications

Maximum Ratings

Operating Temperature

-55° C to 100° C

Storage Temperature

-55° C to 100° C

Power Input

5W max.

Internal Dissipation

1W max.

Splitter Electrical Specifications

Frequency Range

100 MHz to 900 MHz

Isolation

23 dB typ.

18 dB min.

Insertion Loss Above 3.0 dB

0.3 dB typ.

1.0 dB max.

Phase Unbalance (degrees)

3 max.

Amplitude Unbalance

0.3 dB max.

VSWR

1.5:1 max.

Product Dimensions/Weight

APS-1

2"W by 2"H (5.08cm x 5.08cm), 4 oz (113 g)

Shipping Dimensions/Weight

APS-1

4"D x 3"W x 3"H (10.16cm x 7.62cm x 7.62cm), 1 lb (.45 kg)

Contact Information

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Ordering Information

APS-1

Antenna Combiner/Splitter
Catalog Number: 879889

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