



## ACU51 1 kW NARROWBAND ANTENNA COUPLER

### GENERAL

#### Frequency Range

- 1.5 MHz to 30 MHz

#### Power Input

- 1000 W, CW, 100% duty cycle

#### Tuning Time

- Normal
  - 3 s typical, 7 s maximum
- Preset
  - < 50 ms

#### Tune Power

- 10 W + 3 dB

#### Tuning Accuracy

- 1.5:1 VSWR or better

#### Power Supply

- Voltage: 28 VDC + 4 V
- Max Current: 3 A

### ENVIRONMENTAL/PHYSICAL

#### Temperature

- Operation: -40°C to +55°C
- Storage: -40°C to +70°C MIL-STD-810E and NES1004

#### Humidity

- MIL-STD-810E, Method 507.3

#### Vibration

- MIL-STD-810E, Method 514.4 cat 9 random

#### Shock

- MIL-S-901D (on shock isolators)

#### MTBF

- >12,600 hrs

#### MTRR

- <30 minutes

#### Size (H x W x L)

- 33 x 16 x 13.5 in (845 x 411 x 341 mm)  
(including insulator and stud)

#### Weight

- 116 lbs (53 kg)

### OPTIONS

- Electrical Installation Kit—contains electrical connectors

### ACU51 1 kW NARROWBAND ANTENNA COUPLER

Part Number 602229-01

- 1.5 to 30 MHz Coverage
- <50 msec Tuning from Memory
- 99 Channel Memory
- Full BITE at PA and Radio
- No Coupler Control Cable Required
- Ideal for MIL-STD-188-141B (App A) Operation
- Robust, Rugged Naval Coupler Design
- Suited for Both Tx only (ACU50) or Tx/Rx via a Single Whip Antenna (ACU51)



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