AN0973A

For tactical vehicles, the Silhouette™ antenna product line provides net-centric capability. An ultra-low profile clears the line of fire for remote controlled weapons, and makes for easy transport.
OVERVIEW

ADVANTAGES

• Optimized for tactical vehicles, combat vehicles and maritime on-the-move applications
• Rugged and low-profile
• Impact resistant UV stabilized polycarbonate radome
• Minimal visual signature
• Cost competitive

SYSTEM PERFORMANCE

• Performance Specifications
  - Frequency: 243-318 MHz
  - Impedance: 50 Ω
  - VSWR: ≤2.0:1
  - Polarization: RHCP
  - Power Handling: 100 W CW
  - Peak Gain: +2.5 dBi
  - Average Conic Gain (20° Elevation): >-2.5 dBi
  - Average Conic Gain (10° Elevation): >-3.5 dBi
  - Coverage: Upper Hemisphere (Omni)

• Physical Properties
  - Length x Width x Height (inches): 18.5 x 18.5 x 4.7
  - Weight: <12.0 lbs
  - Connector: Type N, Female

• Environmental Qualifications
  - Temperature: -40° to +180° F
  - Altitude: 25,000 ft
  - Humidity: MIL-810F Method 507.4
  - Chemical: MIL-810F Method 504
  - Salt Fog: ASTM B117
  - Sand and Dust: MIL-810F Method 510.4
  - Branch Strike: 50 mph
  - Vibration: MIL-810F Method 514.5
  - Shock: MIL-810F Method 516.5

INTERFACE DRAWING