MOTOROLA SOLUTIONS

HAE6021A

UHF Wide Band Mobile Roof Mount Antenna

403–527 MHZ | 2 DB GAIN

PRODUCT OVERVIEW

The **Motorola HAE6021A** is a high-performance 2dB Wide Band mobile roof mount antenna designed for operation across the 403-527 MHz UHF spectrum. Featuring a rugged vertical radiation design and a pre-terminated BNC connector, this antenna is specifically engineered to overcome signal degradation in challenging urban environments where dense building structures typically obstruct line-of-sight RF propagation.

TECHNICAL SPECIFICATIONS

PARAMETER	SPECIFICATION
Model Number	HAE6021A
Frequency Range	403 – 527 MHz (UHF Wideband)
Nominal Gain	2 dB
Polarization	Vertical
Connector Type	BNC Male / BNC Mount Compatible
Mounting Style	Roof Mount / Vehicle Surface Mount
Radiation Pattern	Omnidirectional
Application Environment	Mobile / Vehicle Communications (Urban & Obstacle-Dense Areas)

KEY FEATURES & DEPLOYMENT BENEFITS

Wide Band Coverage

Covers the full 403-527 MHz UHF band without needing manual tuning, ensuring seamless operation across complex radio networks.

Urban Signal Optimization

Vertical radiation pattern delivers maximum RF efficiency around high-rise buildings, concrete structures, and city terrain.

Robust Roof Mounting

Designed for durable roof mounting on standard emergency, service, or commercial fleet vehicles for consistent ground-plane performance.

Standard BNC Termination

Equipped with a secure BNC connection for reliable RF shielding, low signal loss, and quick vehicle installation/maintenance.