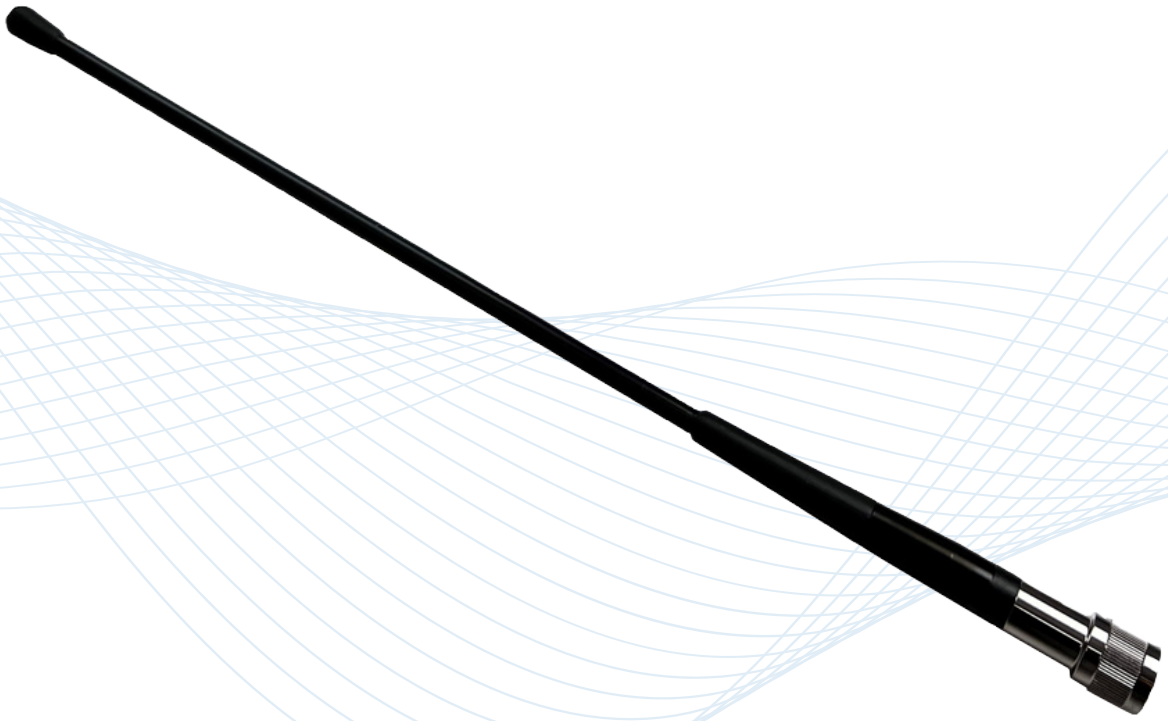
DATASHEET UHF ANTENNAS

Gainflex UHF Terminal Antenna

Shortened half-wave antenna

510076SMQ, 510079SMQ, 510081SMQ



Description

UHF terminal antenna featuring a highly elastic, corrosion-resistant metal shaft encased in a durable black plastic cover. Its exceptional flexibility makes it especially suited for demanding applications where resilience and reliability are essential.

Features

- Covers 406-430 MHz and 440-470 MHz frequencies
- 4 dB (ref. to quarter-wave whip on ground plane)
- Decoupled from the radio set

Applications

- Industrial and commercial radio
- Utilities and infrastructure operators
- Public safety communications
- Transportation

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SPECIFICATIONS

Gainflex UHF Terminal Antenna

UHF Antennas

Standard Configurations

Model	Frequencies	Length	Connector
510076SMQ/K7153216	406-430 MHz	330 mm	TNC
510079SMQ/K7153236	440-470 MHz	300 mm	TNC
510081SMQ/K7153239	440-470 MHz	300 mm	BNC

Electrical Specifications – All Models

Frequency Ranges	406-430 MHz 440-470 MHz
VSWR	< 2:1
Impedance	50 Ω
Gain	4 dB (ref. to quarter-wave whip on ground plane)
Max. Power	20 W (at 50 °C ambient temperature)

Mechanical and Environmental Specifications – All Models

Material	Highly elastic, corrosion-proof metal shaft in particularly resistive black plastic cover. Connector: Brass H59, NiSn plated Insulant: Polycarbonate

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For more information about this product contact your sales representative or visit
> pctel.com/antenna-products

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