

# JEM-238MFC

Ultra-Low-Profile MUOS UHF SATCOM Antenna



## DESCRIPTION

The JEM-238MFC is a state-of-the-art low-profile antenna designed for 1.25" cavity depth mounting.

It is capable of high input power and efficiency. The breakthrough technology included in this antenna is called a Magnetic Flux Channel (MFC) antenna which is designed using high hesitivity, low-loss material.

This groundbreaking antenna technology was developed on SBIR technology (N112-113) and provides exceptional UHF UFO/MUOS capabilities in a 1-1/4" thick low-profile form-factor.

The antenna can be equipped with clamps, flanges for your application.



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## SPECIFICATIONS

### ELECTRICAL

Frequency Band	240 MHz to 380 MHz
VSWR	< 2.0 : 1
Polarization	Right-Hand Circular
Gain	3 dBiC
Power	125+ Watts CW
Ground Plane	Ground Plane Independent
Connector	TNC Female

### ENVIRONMENTAL

Shock	MILSTD 810F, 20G
Vibration	RTCA/DO-160
Operational Temp.	-31°F to +185°F (-35°C to +85°C)

### MECHANICAL

Weight	6 lbs (2.7 kg)
Dimensions	16" L x 16" W x 1.25" H (40.64 cm L x 40.64 cm W x 3.18 cm H)
Mounting	Available Upon Request
Finish (Default)	FED-STD-595 37030 (Black)

### MODEL NUMBERS

White Color	JEM-238MFC-W
Tan 686A Color	JEM-238MFC-T
Green 383 Color	JEM-238MFC-G
Aircraft Gray Color	JEM-238MFC-AG