Product Data Sheet



EM-MFLX132-FT
Flex "X"-Nut®
Field Tunable 132-1000 MHz

- Field Tunable for precise spot frequency and bandwidth requirements
- Super-elastic, Ultra-flexible radiator reduces potential damage from multiple/repeated strikes
- IP67 rated: Dirt, Dust, Water and Corrosion-proof reliability in extreme operating conditions
- All Brass and UV resistant polymer materials
- High Conductivity and greater operational bandwidth than traditional Chrome Nut products

Frequency	VSWR (max)	VSWR @F_{center}	Height	
132 MHz	2:1	<1.5:1	21.93 in.	557 mm
155 MHz	2:1	<1.5:1	18.43 in.	468 mm
450 MHz	2:1	<1.5:1	6.6 in.	167 mm
746-896 MHz	1.8:1	<1.5:1	4.17 in.	106 mm

Reference Detailed Tuning Chart for Specific Spot Frequency or Bandwidth Requirements

Electrical Specifications

Impedance	50Ω
Gain	0 dBd, (2.0 dBi)
Power Rating	150 W
Polarization	Linear, Vertical
E-Plane	50 Degrees, Nominal
H-Plane	Omnidirectional
Ground Plane	Required

Mechanical Specifications

Radiator Material	Nitinol Alloy Wire
Brass Component Finish	Black Chrome
Base Material	ASA w/TPU Skirt
Mounting Application	NMO Mount
NMO Cable Assy. & Conn.	Sold Separately
Operating Temperature	-40˚ to 85˚ C
Corrosion	Salt and UV Resistant

Specifications Subject to Change without Notification

ELECTRO-MAGWAVE, INC.
2241 Pinnacle Parkway, Suite A, Twinsburg, OH 44087 t 216-453-1160 f 216-447-8828 www.emwaveinc.com