



EM-P90111 ¼ Wave EM-P90110 ½ Wave 698-870 MHz Portable Antennas

- Flexible, Rugged, Weatherproof Molded Construction
- Integrated/Molded Cap
- Color Coded Frequency Identification

**OEM Replacement
Antenna For:**

HARRIS™

KENWOOD™

MOTOROLA™

Radio Model	OEM Part No.	Frequency Band	E/M Wave Model No.
Harris XL200P	XL-NC8F, XL-NC8D	762-870 MHz	EM-P90111-MD, EM-P90110-MD
Harris XG-75P, P7300	EV-NC7A	764-870 MHz	EM-P90110-MD
Harris XG-25P	DP-NC5X, DP-NC7A	764-870 MHz	EM-P90111-MD, EM-P90110-MD
Kenwood NX5400, TK5430 VP5000, VP6000	KRA-32K	763-870 MHz	EM-P90111-SFK, EM-P90110-SFK
Motorola APX900 Series	NAF5080	764-870 MHz	EM-P90111-SF, EM-P90110-SF

Electrical Specifications

Frequency Band	698 - 870 MHz
VSWR	2.0:1
Impedance	50Ω
Gain EM-P90111-SF ¼ Wave	2.0 dBi
Gain EM-P90110-SF ½ Wave	3.0 dBi
Power Rating	10 Watts
Polarization	Vertical
Radiation Pattern	Omni Directional

Mechanical Specifications

Length EM-P90111-SF	4.13±.125 in. (105±3mm)
Length EM-P90110-SF	5.32±.125 in. (135±3mm)
Connector	SF Type (SMA Female)
Over-Mold Material	TPE
Connector Material, Finish	Brass, Nickel Plating
Weight	16.6g
Operation Temp	-20°C to 65°C
Pull Force, Housing	6 kgf
Applied Torque, Housing	5 kgf-cm

Specifications subject to change without notification. Harris™ is a registered trademark of JVC KENWOOD CORPORATION.

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Motorola™ is a registered trademark of Motorola Trademark Holdings, LLC.



MD
Harris (M7x1)



SFK
SMA (f) Kenwood™ Type



SF
SMA (f) Motorola™ Type