

# FMA-727

**Circularly Polarized FM Antennas  
Input Power up to 3 KW/Bay**



## Features

- True circular polarization
- Heavy duty brass construction
- 1 5/8" rigid interbay lines
- Design to be pressurized for long term reliability
- Balanced feed straps
- Designed for Medium power applications



**ARMSTRONG**  
TRANSMITTER CORPORATION

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## TECHNICAL SPECIFICATIONS

Frequency Range	88-108 Mhz, factory tuned
Polarization	Circular (clockwise)
Power Gain	See Tables
Material	Brass and Copper alloys
Azimuth Pattern	+/- 2 dB, horizontal and vertical
Ellipticity	+/- 3 dB in free space
VSWR	<1.2:1 pole-mount, <1.5:1 side mount

MODEL	No of Bays	Input Connector	Maximum Input Power	Power Gain
FMA-727-1E	1	1 <sup>5</sup> / <sub>8</sub> " EIA	3 KW	0.5
FMA-727-2E	2	1 <sup>5</sup> / <sub>8</sub> " EIA	6 KW	1.0
FMA-727-3E	3	1 <sup>5</sup> / <sub>8</sub> " EIA	9 KW	1.5
FMA-727-4E	4	1 <sup>5</sup> / <sub>8</sub> " EIA	12 KW	2.0
FMA-727-5E	5	1 <sup>5</sup> / <sub>8</sub> " EIA	12 KW	2.5
FMA-727-6E	6	1 <sup>5</sup> / <sub>8</sub> " EIA	12 KW	3.0
FMA-727-8C	8	1 <sup>5</sup> / <sub>8</sub> " EIA	12 KW	4.0
FMA-727-10C	10	1 <sup>5</sup> / <sub>8</sub> " EIA	12 KW	5.0
FMA-727-12C	12	1 <sup>5</sup> / <sub>8</sub> " EIA	12 KW	6.0



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