



KINTRONIC LABS

an ISO 9001 registered company

FM Isocouplers



Kintronic Labs Isocouplers provide versatility to existing AM radiating elements by allowing for installation of transmit-receive FM antennas operating in the frequency range of 88-108 MHz without disrupting AM antenna characteristics.

Kintronic Labs also maintains a stock of accessory items required for isocoupler installation, including transmission line, end fittings and cable grounding clamps.



FMC-1.5

FMC-7.5

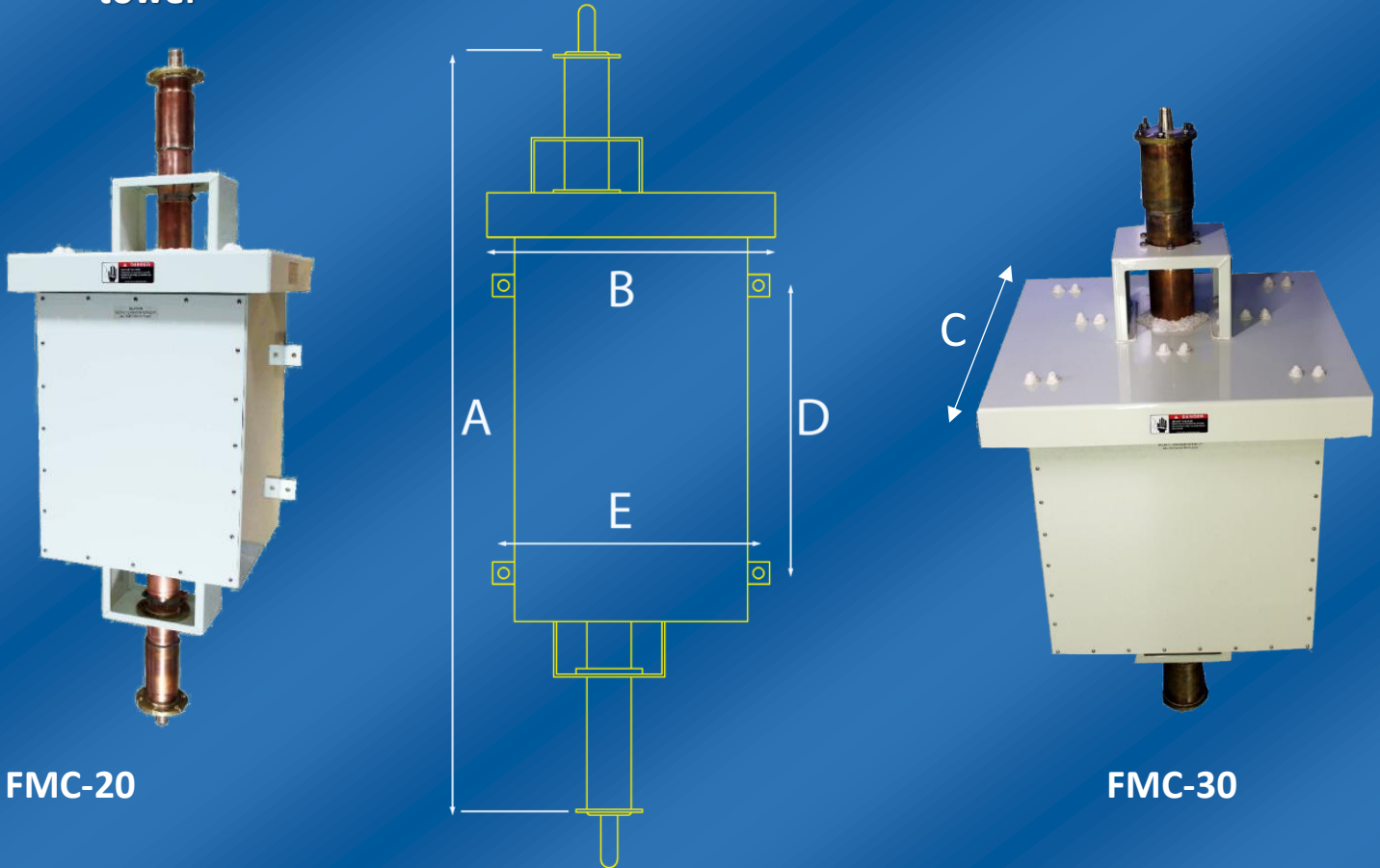
Electrical Specifications	FMC-1.5	FMC-2.5	FMC-7.5	FMC-20	FMC-30
Nominal Power Rating	1.5 KW	2.5 KW	7.5 KW	20 KW	30 KW
Frequency within FM range	88 – 108 MHz				
Bandwidth (MHz)	6				
Insertion Loss at Fundamental Frequency	< 0.2 dB				
Insertion loss at second harmonic	≥ 20 dB				
Input Impedance	50 ohms				
Output Impedance	50 ohms				
Capacity between input and output circuit	< 100 pF	< 100 pF	< 150 pF	< 150 pF	< 150 pF
VSWR within 6 MHz bandwidth and 50 ohm load	< 1.05				
Input and output connections	Type N Female or 7/8" EIA male flange	7/8" EIA male flange	1-5/8" EIA Male Flange	3-1/8" Male Flange	3-1/8" Male Flange
Peak voltage rating	18 kV	18 kV	25 kV	25 kV	35 kV
Pressurized / Unpressurized	Unpressurized	Unpressurized	Pressurized	Pressurized	Pressurized



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- Installed at base of AM tower
- Permits installation of FM antenna and connecting transmission line on hot broadcast towers for simultaneous AM and FM operation on the same tower



FMC-20

FMC-30

Mechanical Specifications	FMC-1.5 FMC-2.5	FMC-7.5	FMC-20	FMC-30
Height (DIM. A)	28"	43"	55"	64"
Width (DIM. B)	12"	16"	22"	30"
Depth (DIM. C)	12"	16"	22"	30"
Vertical Spacing (DIM.D)	8-1/2"	12-1/4"	14"	14-1/2"
Horizontal Spacing (DIM.E)	9-1/2"	13-3/4"	19-1/4"	25-1/2"
Net Weight (Approx.)	25 lb	70 lb	125 lb	140 lb
Finish	Frost White			