

MU 4-X/..., MU 4-CX/..., MU 4-XG/..., MU 4-MM/...

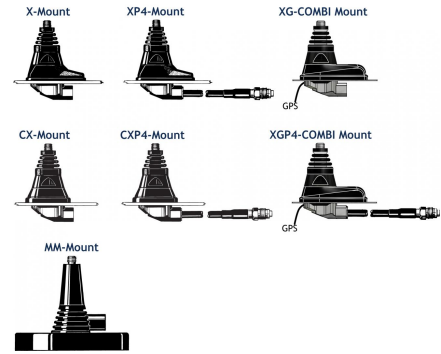
Collinear 4 dB Mobile Antenna for the 450 MHz Band

DESCRIPTION

- 4 dB mobile antenna with collinear, stainless steel whip.
- Stainless steel X-mount with M6-thread whip-fastening system.
- Models available with X-mount (oblong), CX-mount (circular), XG-Combi mount (oblong) with GPS and MM-mount (magnetic).
- Choice between mounts with FME-connection (without cable) or models with permanently attached 4 m cable with FME connector.
- Choose between general purpose tunable models and permanently tuned models for cellular systems.
- Easily removable whip for car wash.
- GPS-antenna for fixed installations.
 - Full hemispherical coverage.
 - Built-in high-gain, low-noise amplifier.
 - Right-Hand Circular Polarization (RHCP).
 - 2.85 V - 5 V supply voltage (typical 3 V).



All whips are compatible with all mounts



SPECIFICATIONS

ELECTRICAL	
MODEL	MU 4-X/..., MU 4-CX/..., MU 4-XG/..., MU 4-MM/...
ANTENNA TYPE	Collinear stainless steel mobile whip antenna
FREQUENCY	Models within 380 – 470 MHz
IMPEDANCE	Nom. 50 Ω
POLARIZATION	Vertical
GAIN	4 dB (acc. to EIA RS-329-1)
BANDWIDTH	> 15 MHz @ SWR ≤ 1.5
SWR	≤ 1.3 @ f. res.
MAX. POWER	100 W
MECHANICAL	
MATERIALS	Whip: Black-chromed stainless steel Black-chromed brass Mount: Black-chromed brass Weather- and shockproof plastics Stainless steel
RECOMMENDED INSTALLATION TORQUE	4 ± 1 Nm
COLOUR	Black
HEIGHT	Approx. 59 cm (dep. on freq.)
WEIGHT	X-version: Approx. 155 g XP4-version: Approx. 290 g CX-version: Approx. 155 g CXP4-version: Approx. 290 g XG-version: Approx. 170 g XGP4-version: Approx. 310 g MM-version: Approx. 380 g

ORDERING DESIGNATIONS

X-MOUNT (OBLONG) WITH FME	PRODUCT NO.	CX-MOUNT (CIRCULAR) WITH FME	PRODUCT NO.	[MHZ]
Models for general application - tunable with adjustment disc:				TUNING
MU 4-X/s	130000952	MU 4-CX/s	130000953	380...410
MU 4-X/f	130000922	MU 4-CX/f	130000923	406...430
MU 4-X/l	130000933	MU 4-CX/l	130000934	420...450
MU 4-X/h	130000927	MU 4-CX/h	130000928	440...470
Models for cellular systems - pretuned, without adjustment disc:				FREQUENCY
MU 4-X/CEL5	30001610	MU 4-CX/CEL5	130001612	380 - 400
MU 4-X/CEL4	130000951	MU 4-CX/CEL4	130000937	414 - 430
MU 4-X/CEL3	130000944	MU 4-CX/CEL3	130000940	425 - 440
MU 4-X/CEL2	130000941	MU 4-CX/CEL2	130000938	440 - 455
MU 4-X/CEL1	130000942	MU 4-CX/CEL1	130000943	450 - 470

XP4-MOUNT (OBLONG) WITH 4 M CABLE AND FME-CONN.	PRODUCT NO.	CXP4-MOUNT (CIRCULAR) WITH 4 M CABLE AND FME-CONN.	PRODUCT NO.	[MHZ]
Models for general application - tunable with adjustment disc:				TUNING
MU 4-XP4/s	130000954	MU 4-CXP4/s	130000955	380...410
MU 4-XP4/f	130000924	MU 4-CXP4/f	130000925	406...430
MU 4-XP4/l	130000935	MU 4-CXP4/l	130000936	420...450
MU 4-XP4/h	130000929	MU 4-CXP4/h	130000930	440...470
Models for cellular systems - pretuned, without adjustment disc:				FREQUENCY
MU 4-XP4/CEL5	130001611	MU 4-CXP4/CEL5	130001613	380 - 400
MU 4-XP4/CEL4	130000950	MU 4-CXP4/CEL4	130000949	414 - 430
MU 4-XP4/CEL3	130001474	MU 4-CXP4/CEL3	130000948	425 - 440
MU 4-XP4/CEL2	130000947	MU 4-CXP4/CEL2	130000939	440 - 455
MU 4-XP4/CEL1	130000945	MU 4-CXP4/CEL1	130000946	450 - 470

ORDERING DESIGNATIONS

XG-COMBI MOUNT (OBLONG) WITH FME	PRODUCT NO.	[MHZ]
Models for general application - tunable with adjustment disc:		TUNING
MU 4-XG/s	130002033	380...410
MU 4-XG/f	130002034	406...430
MU 4-XG/l	130002093	420...450
MU 4-XG/h	130002094	440...470
Models for cellular systems - pretuned, without adjustment disc:		FREQUENCY
MU 4-XG/CEL5	130002099	380 - 400
MU 4-XG/CEL4	130002098	414 - 430
MU 4-XG/CEL3	130002097	425 - 440
MU 4-XG/CEL2	130002096	440 - 455
MU 4-XG/CEL1	130002095	450 - 470

XGP4-COMBI MOUNT (OBLONG) WITH 4 M CABLE AND FME-CONN.	PRODUCT NO.	[MHZ]
Models for general application - tunable with adjustment disc:		TUNING
MU 4-XGP4/s	130002035	380...410
MU 4-XGP4/f	130002036	406...430
MU 4-XGP4/l	130002105	420...450
MU 4-XGP4/h	130002106	440...470
Models for cellular systems - pretuned, without adjustment disc:		FREQUENCY
MU 4-XGP4/CEL5	130002104	380 - 400
MU 4-XGP4/CEL4	130002103	414 - 430
MU 4-XGP4/CEL3	130002102	425 - 440
MU 4-XGP4/CEL2	130002101	440 - 455
MU 4-XGP4/CEL1	130002100	450 - 470

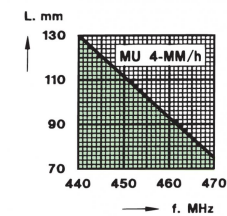
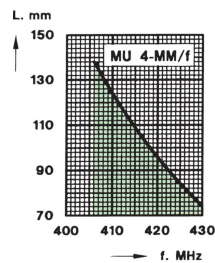
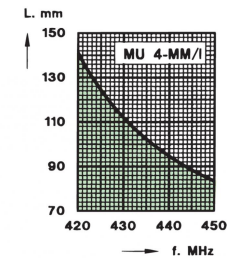
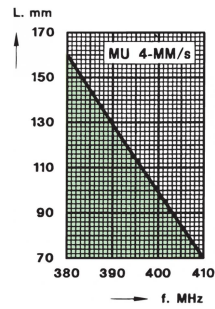
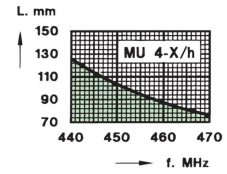
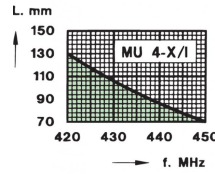
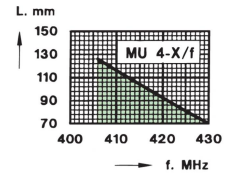
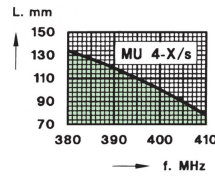
MM-MOUNT WITH FME	PRODUCT NO.	[MHZ]
Models for general application - tunable with adjustment disc:		TUNING
MU 4-MM/s	130000916	380...410
MU 4-MM/f	130000909	406...430
MU 4-MM/l	130000915	420...450
MU 4-MM/h	130000914	440...470
Models for cellular systems - pretuned, without adjustment disc:		FREQUENCY
MU 4-MM/CEL5	130001614	380 - 400
MU 4-MM/CEL4	130000912	414 - 430
MU 4-MM/CEL3	130000911	425 - 440
MU 4-MM/CEL2	130000910	440 - 455
MU 4-MM/CEL1	130000913	450 - 470

INSTALLATION AND ASSEMBLY INSTRUCTIONS

Please refer to the data sheet of each individual mount to find the installation and assembly instructions.

TUNING

The diagrams apply to all models in the series



PLEASE NOTE

For safety reasons:
When using the MU 4-MM, car speed must not exceed 120 km/h.



PROCOM A/S reserve the right to amend specifications without prior notice.

26/06/14