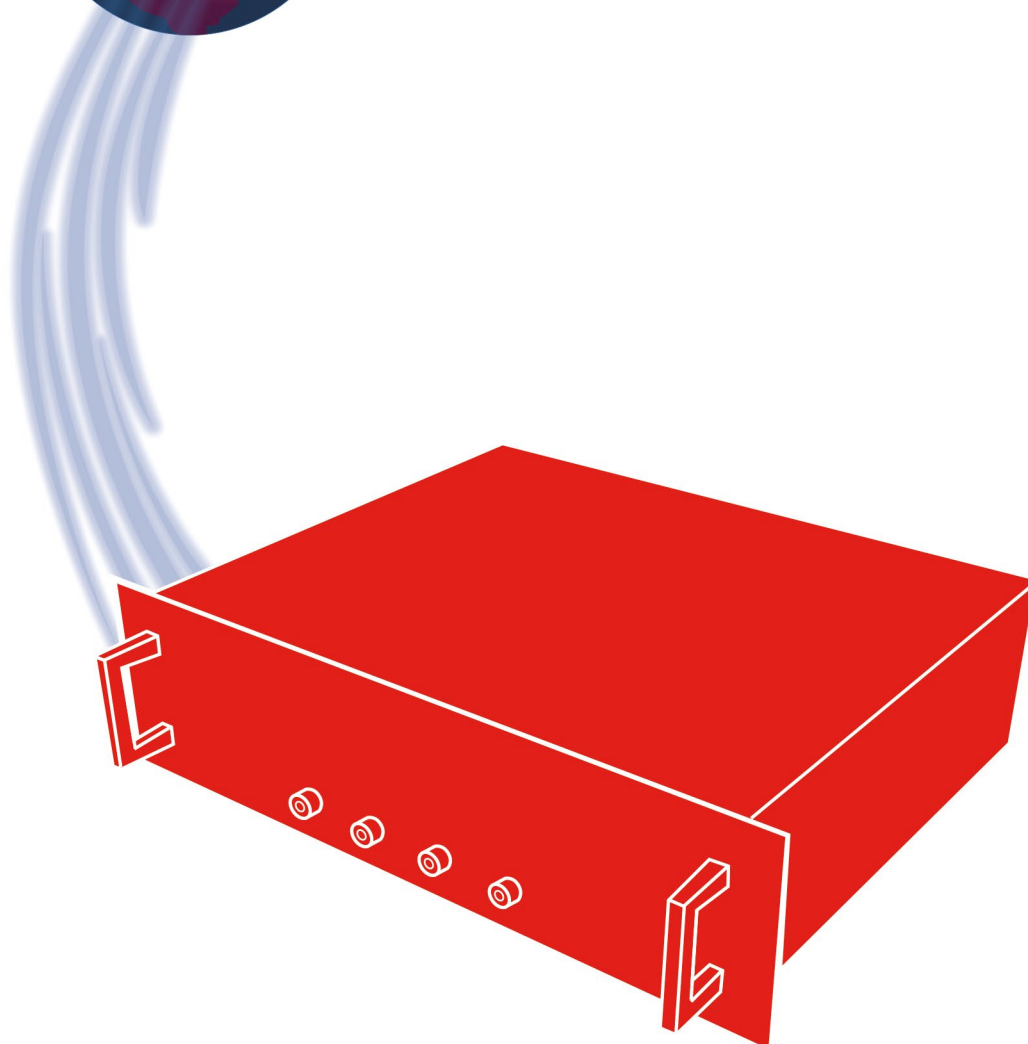


MULTICOUPLERS

RACK-MOUNTS



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- ⇒ To combine multiple transmitters and receivers on a single antenna
- ⇒ Rack Mount for easy integration
- ⇒ High Isolation
- ⇒ Amplifiers rack-mount

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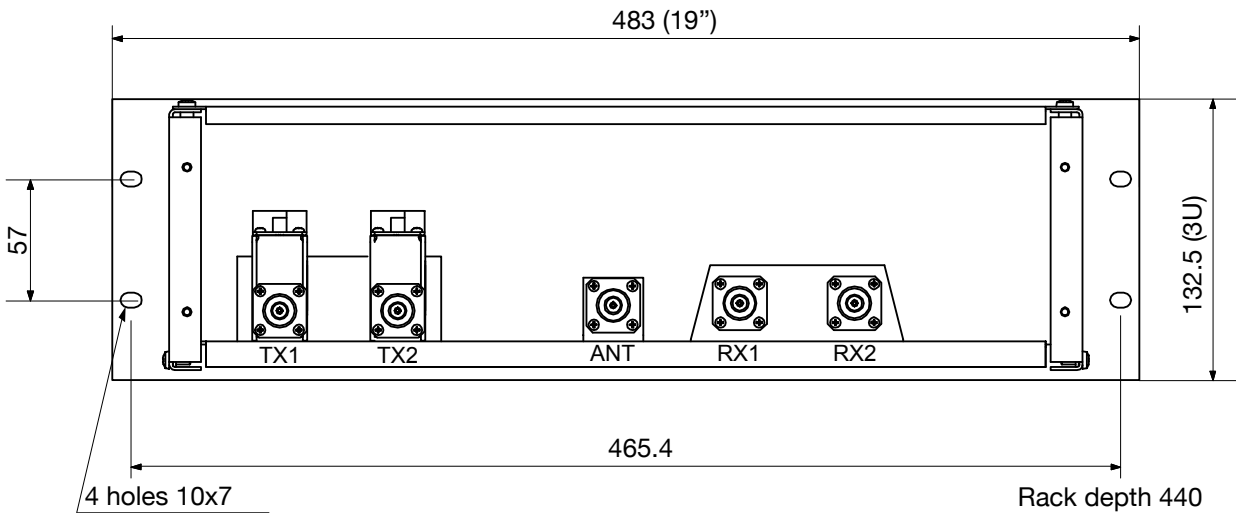
Multicoupler 2TX / 2RX - 3U Rack-Mount



Multicouplers Rack Mounts



Frequency	415 - 470 MHz
Bandwidth	5 MHz
Duplex gap	10 MHz
Coupling loss	TX < 4.7 dB RX < 4.3 dB
Isolation	Tx/Tx > 60 dB Tx/Rx > 60 dB Rx/Rx > 20 dB



Dimensions in mm

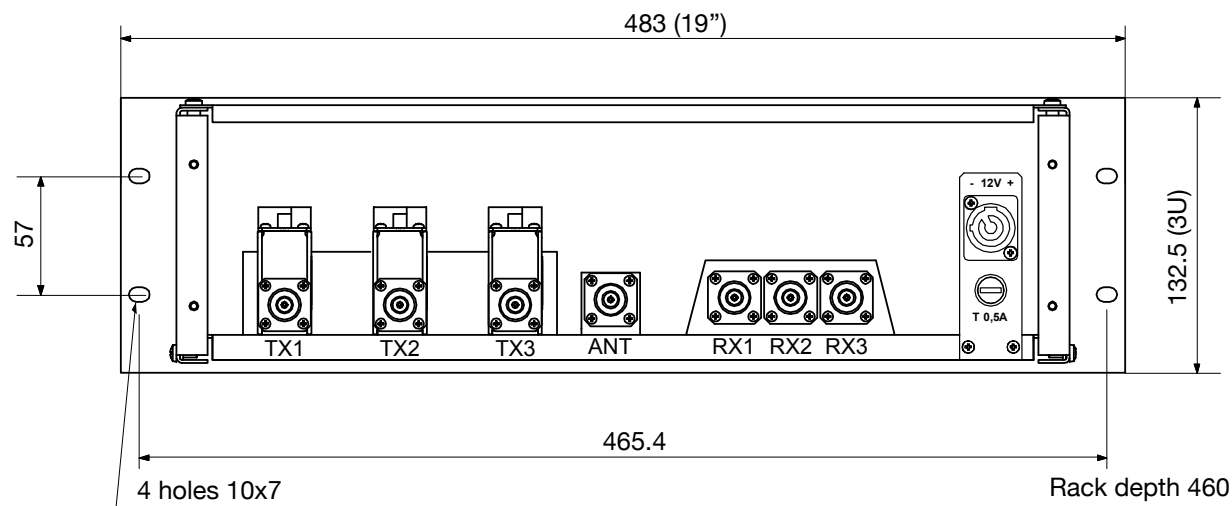
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P/N	Nb of ways	Frequency (MHz) RX / TX	Power (W)	Max VSWR	Connectors
62-0007	2	415-420 / 425-430	50	<1.2	N f
62-0014	2	450-455 / 460-465	50	<1.2	N f
62-0015	2	455-460 / 465-470	50	<1.2	N f

Multicoupler 3TX / 3RX - 3U Rack-Mount



Frequency	380 - 470 MHz	Isolation	Tx/Tx > 60 dB
Bandwidth	5 MHz		Tx/Rx > 60 dB
Duplex gap	10 MHz		Rx/Rx > 20 dB
Coupling loss	TX < 6.7 dB	Power supply	12 V - 0,5 A
	RX 0 ± 1 dB	Noise factor	< 4 dB

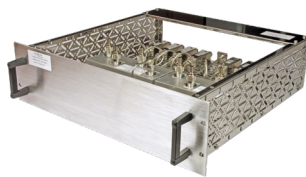


Dimensions in mm

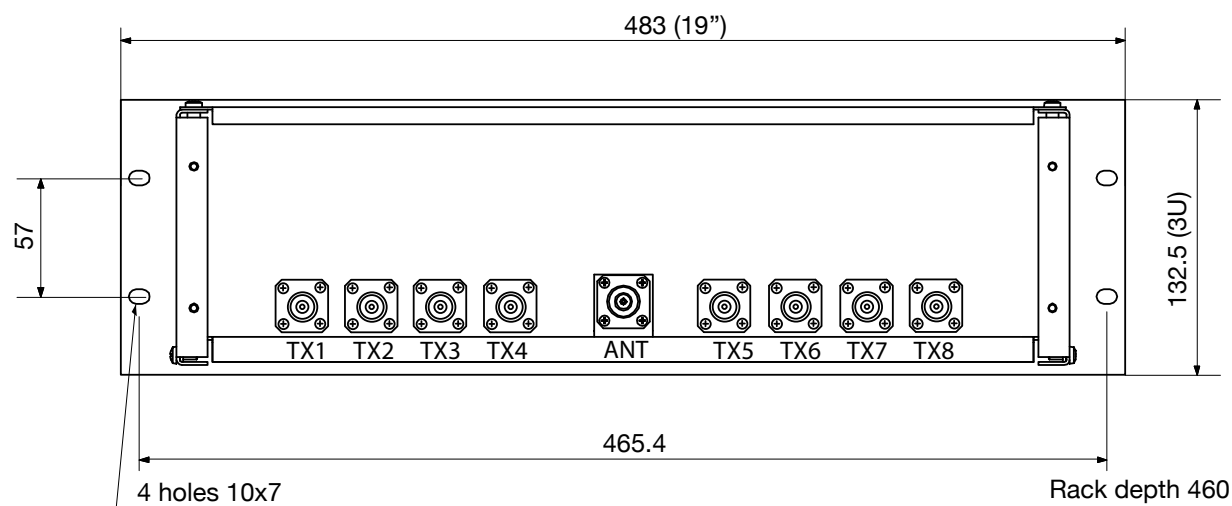
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P/N	Nb of ways	Frequency (MHz) RX / TX	Power (W)	Max VSWR	Connectors
63-0013	3	455-460 / 465-470	50	<1.3	N f

Multicoupler 8TX / 8RX DMR - 3U Rack-Mount



Frequency	450 - 470 MHz
Insertion loss TX-RX	< 31 dB
Isolation TX/TX-TX/RX	> 60 dB
RX/RX	> 20 dB
Outputs	1 Antenna + 8 Terminal Radio



Dimensions in mm

[Return to Search by Part Number](#)

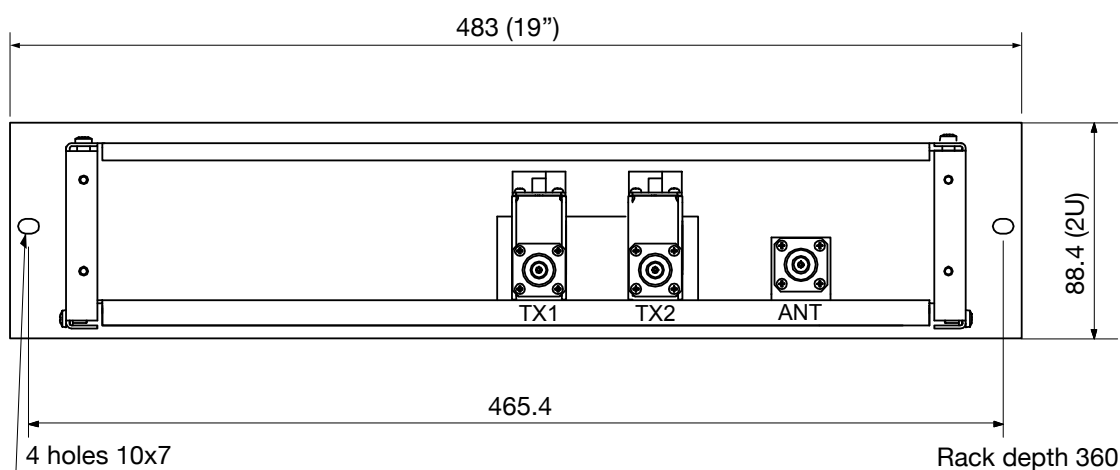
P/N	Nb of ways	Power (W)	Max VSWR	Connectors
62-0019	8	8 x 10	<1.3	N f



Multicoupler 2TX / 1Ant - 2U Rack-Mount



Frequency 380 - 470 MHz
Coupling loss TX < 3.9 dB
Isolation TX/TX > 70 dB
TX/Ant > 50 dB



Dimensions in mm

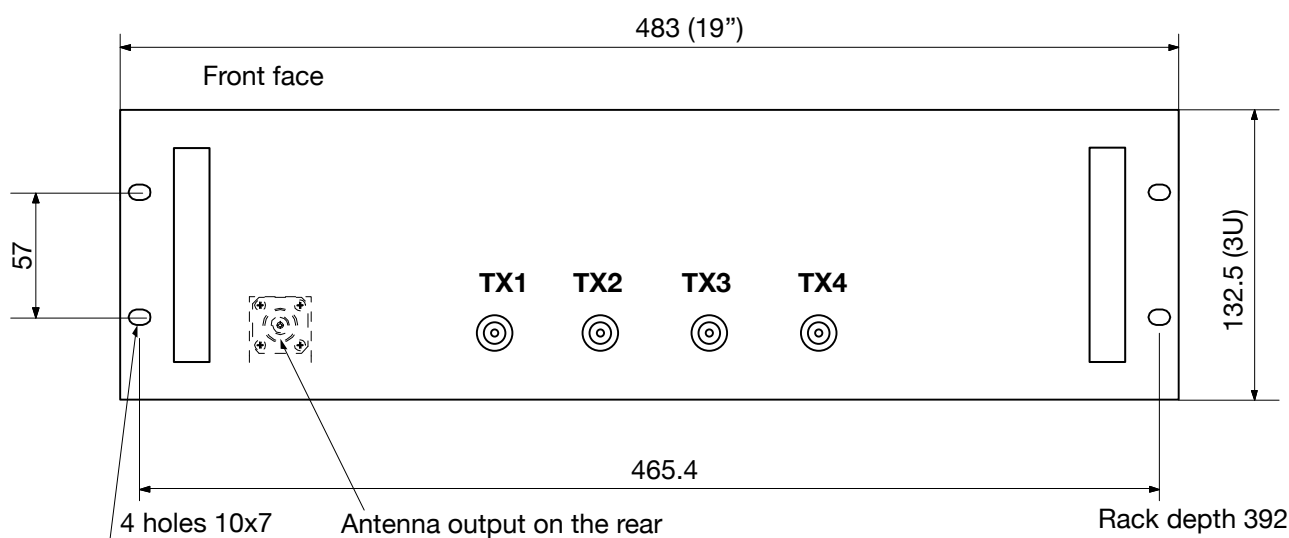
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P/N	Nb of ways	Power (W)	Max VSWR	Connectors
30-0133	2	50	<1.2	N f

Multicoupler 4TX - 3U Rack-Mount



Frequency	380 - 430 / 400 - 470 MHz
Impedance	50 Ω
Temperature	-10 + 50°C
Power	4 ways x 50 W



Dimensions in mm

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P/N	Frequency (MHz)	Coupling loss (dB)	Isol TX/TX (dB)	Isol TX/Ant (dB)	Max VSWR	Connectors
806245	380 - 430	7.5	60	45	<1.2	N f
62-0021	400 - 470	7.5	60	45	<1.2	N f



Multicouplers Rack Mounts



Technical drawing of the rear face of a 3U rack. The drawing shows a rectangular frame with a total width of 483 (19 inches) and a total height of 132.5 (3U). The internal width is 465.4. The internal height is divided into three sections of 57 units each. The rear face features six transceiver modules labeled TX1 through TX6 and an antenna module labeled ANT. The rack depth is 460. There are four 10x7 holes on the left side.

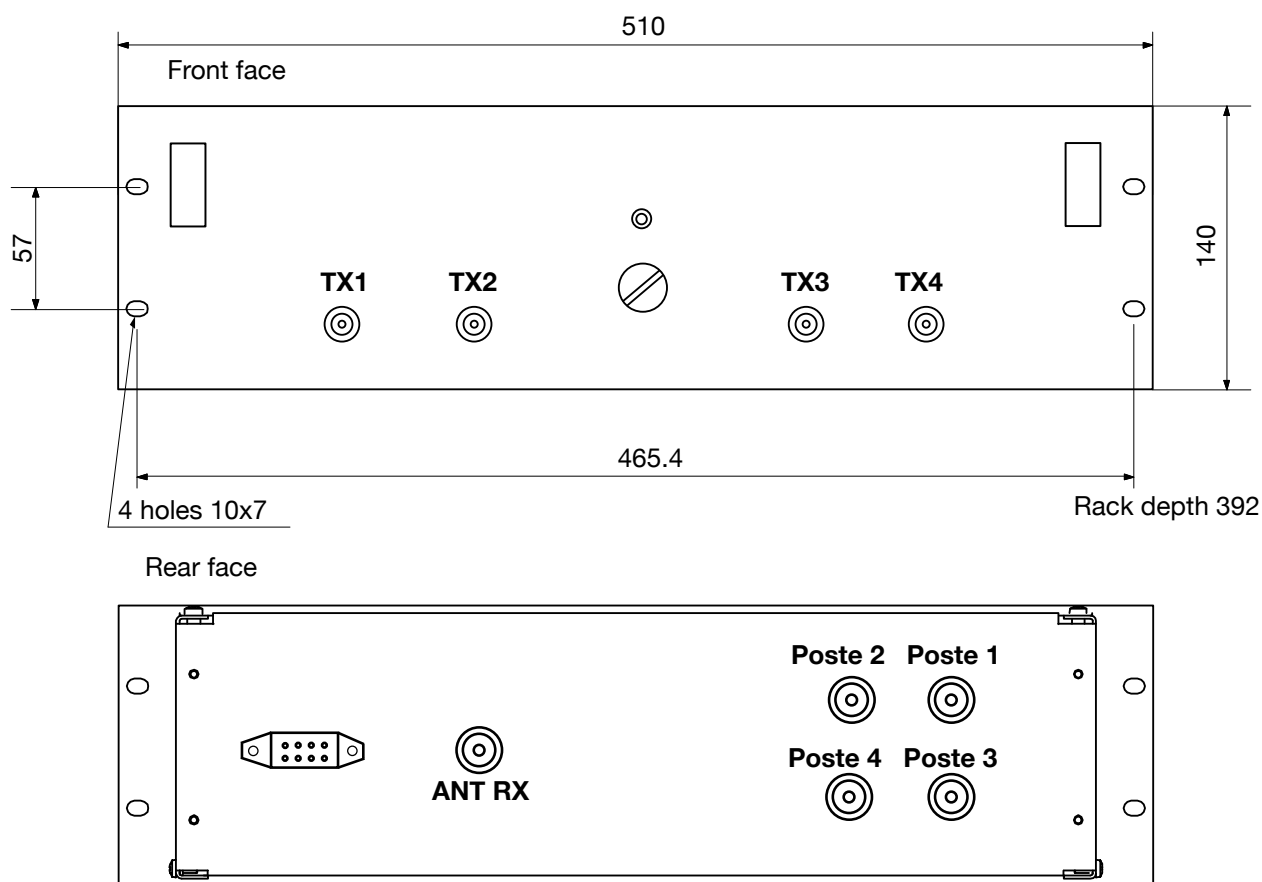
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Edition 7.1
11 juin 2024

Multicoupler 4RX Dispatcher - 3U Rack-Mount



Frequency	380 - 430 / 400 - 470 MHz
Impedance	50 Ω
Temperature	-10 + 50°C
Power supply	12 - 24 V
Noise factor	< 3 dB



Dimensions in mm

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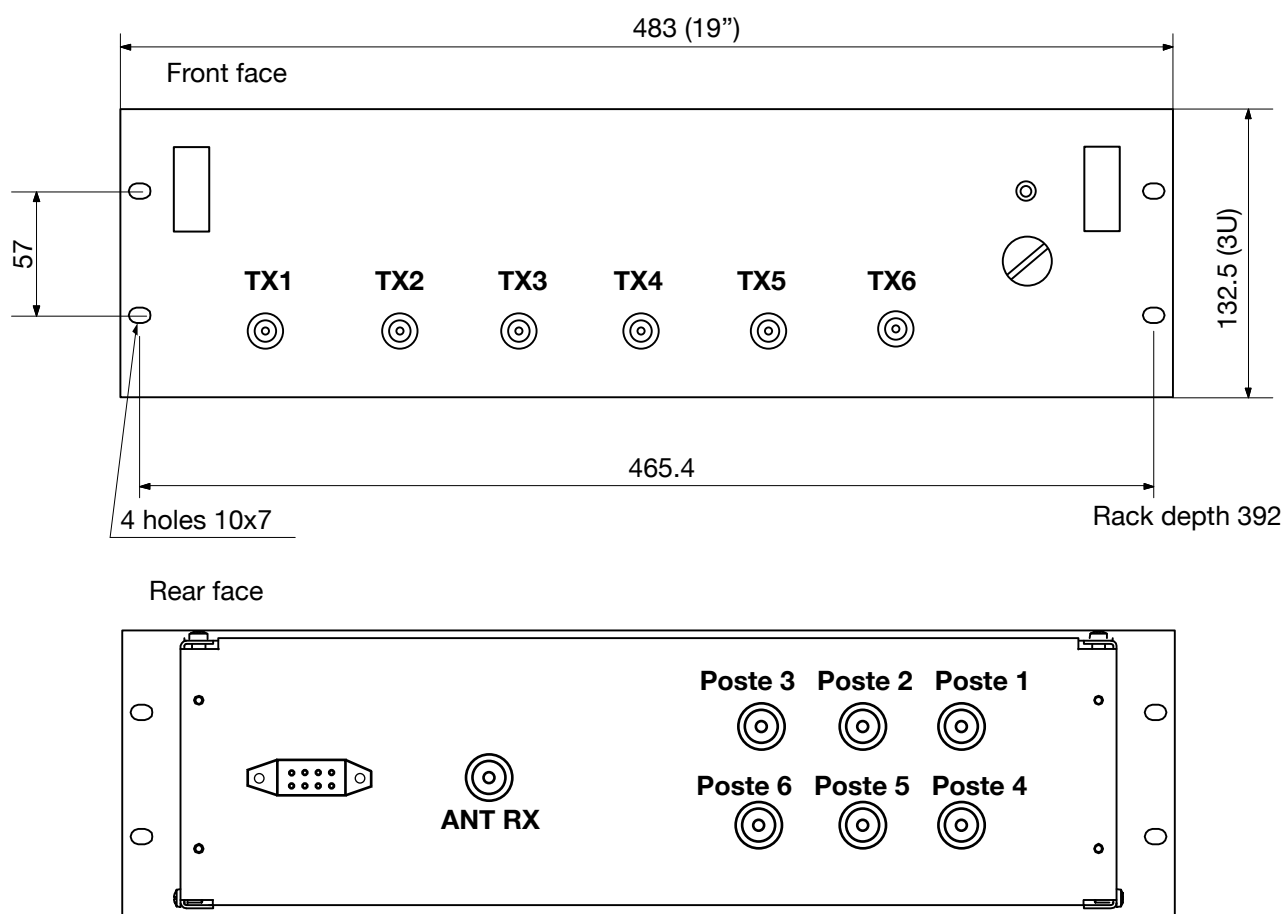
P/N	Frequency (MHz)	Loss (dB) TX / RX	Isolation (dB)	Max VSWR	Connectors
806159V02	380 - 430	<1 / 5 $\pm$ 1.5	70	<1.3	N f
62-0023	400 - 470	<1 / 5 $\pm$ 1.5	70	<1.3	N f



Multicoupler 6RX Dispatcher - 3U Rack-Mount



Frequency	380 - 430 / 400 - 470 MHz
Impedance	50 Ω
Temperature	-10 + 50°C
Power supply	12 - 24 V
Noise factor	< 3 dB



Dimensions in mm

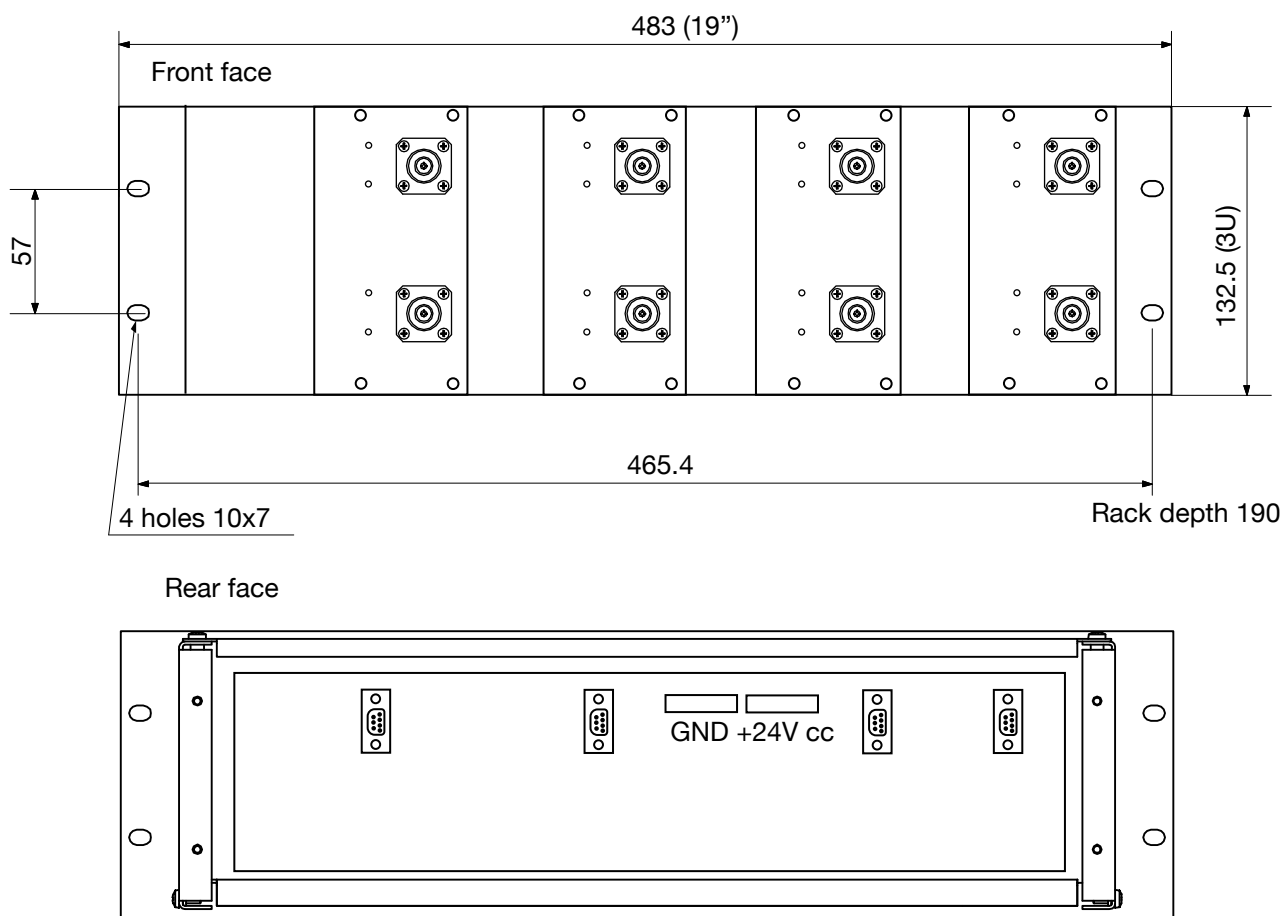
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P/N	Frequency (MHz)	Loss (dB) TX / RX	Isolation (dB)	Max VSWR	Connectors
806165V01	380 - 430	<1 / 5 $\pm$ 1.5	70	<1.3	N f
62-0024	400 - 470	<1 / 5 $\pm$ 1.5	70	<1.3	N f

Multi Amplifier - 3U Rack-Mount



Frequency	380 - 430 MHz
Impedance	50 Ω
Temperature	-10 + 50°C
Power supply	28-32V 5A/way (with RF) - 1A/way (without RF)
Class	AB



Dimensions in mm

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P/N	Nb of Ways	Gain / way (dB)	Power / way (W)	Max VSWR	Connectors
806092	4	4	50	<1.3	N f
806092V02	2	4	50	<1.3	N f

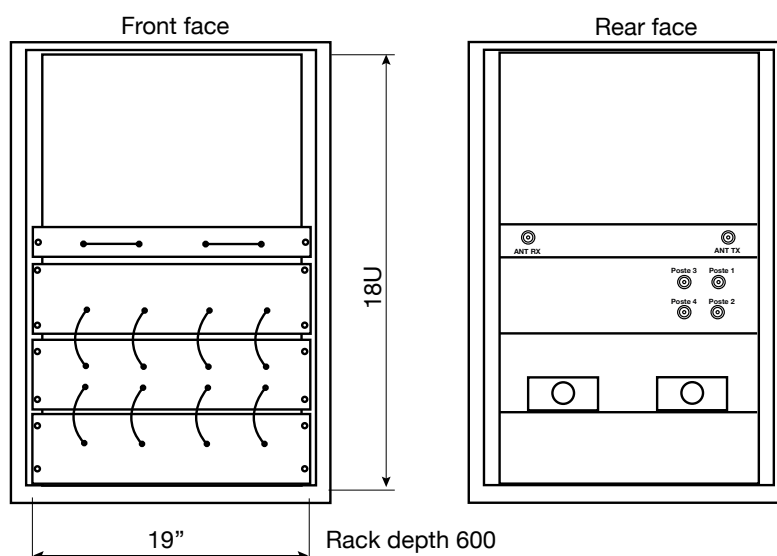
30-0154 1 Way Spare Amplifier Module



PC Mobile Multicoupler 4TX/RX - 19" Rack



Frequency	380 - 430 MHz
Impedance	50 Ω
Temperature	-10 + 50°C
Power supply	12 V - 600 VA
Isolation TX/TX	>60 dB
Isolation TX/RX	>65 dB
Isolation antennas	>50 dB (Distance between antennas TX/RX > 7m)
3 modes	Talk Group / DIR / RIP



Outputs:
2 Antennas
4 BER Radio

Dimensions in mm

[Return to Search by Part Number](#)

P/N	Nb of ways	Loss (dB) TX / RX	Power / way (W)	Connectors
62-0017	4	<4.5 / 0 $\pm$ 1.5	50	N f

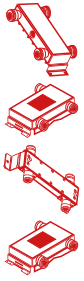


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Multicouplers Rack Mounts







Notes

