

MULTICOUPLERS

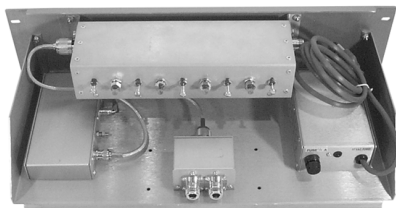
VHF 138-225 MHz

ELECTRICAL SPECIFICATIONS

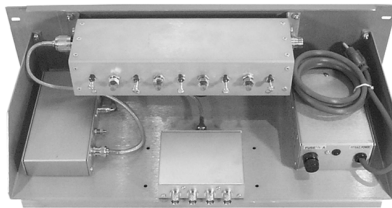
Model Number	24102-1/P-5	24102-0/P-5	24104-1/P-5	24104-0/P-5	24108-1/P-5
Frequency Band (MHz)	138-225	138-225	138-225	138-225	138-225
# of Channels	2	2	3-4	3-4	5-8
Pass Band	3-8 MHz	3-8 MHz	3-8 MHz	3-8 MHz	3-8 MHz
# of Resonators	5	5	5	5	5
Rx/Rx Isolation	20 + dB	20 + dB	20 + dB	20 + dB	20 + dB
System Voltage	115 VAC	115 VAC	115 VAC	115 VAC	115 VAC
Amplifier Gain	+20 dB	+20 dB	+20 dB	+20 dB	+20 dB
Amplifier Type	E-pHEMPT	E-pHEMPT	E-pHEMPT	E-pHEMPT	E-pHEMPT
Amplifier Noise Figure	3.0 dB	3.0 dB	3.0 dB	3.0 dB	3.0 dB
Amplifier 3rd Order IP	+42 dBm	+42 dBm	+42 dBm	+42 dBm	+42 dBm
Amplifier 1 dB Comp	+21 dBm	+21 dBm	+21 dBm	+21 dBm	+21 dBm
Amplifier Bias Voltage	13.6 VDC	13.6 VDC	13.6 VDC	13.6 VDC	13.6 VDC
Amplifier Current Draw	200 mA	200 mA	200 mA	200 mA	200 mA
System NF (typ.)	5.0 dB	5.0 dB	5.0 dB	5.0 dB	5.0 dB
Nominal Impedance	50 Ω	50 Ω	50 Ω	50 Ω	50 Ω
Max. VSWR @ Resonance	1.25:1	1.25:1	1.25:1	1.25:1	1.25:1
Temperature Range	- 22 to +140 °F - 30 to +60 °C	- 22 to +140 °F - 30 to +60 °C	- 22 to +140 °F - 30 to +60 °C	- 22 to +140 °F - 30 to +60 °C	- 22 to +140 °F - 30 to +60 °C

MECHANICAL SPECIFICATIONS

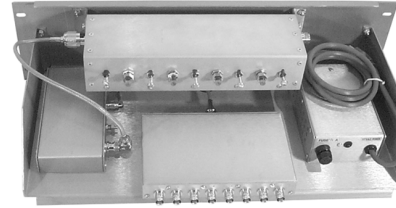
Dimensions: Inches (HxWxD) Metric	5 1/4 x 19 x 10 134 x 483 x 254	5 1/4 x 19 x 10 134 x 483 x 254	5 1/4 x 19 x 10 134 x 483 x 254	5 1/4 x 19 x 10 134 x 483 x 254	5 1/4 x 19 x 10 134 x 483 x 254
Connectors: Input / Output	N / BNC	N / N	N / BNC	N / N	N / BNC
Ship Weight: lbs. / kg.	12 / 5.5	12 / 5.5	12 / 5.5	12 / 5.5	12 / 5.5



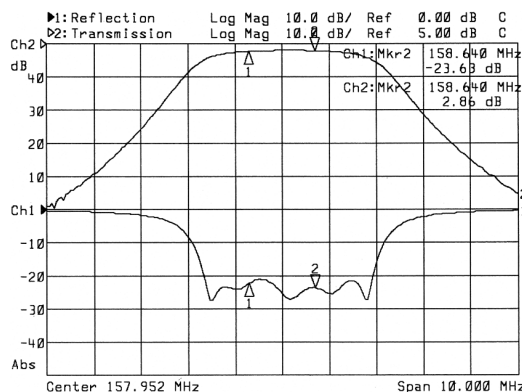
24102-0/P-5



24104-1/P-5



24108-1/P-5



MULTICOUPLERS

VHF 138-225 MHz

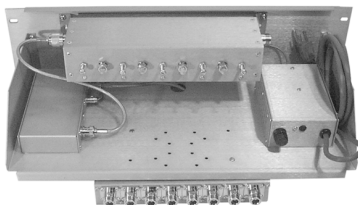
ELECTRICAL SPECIFICATIONS

Model Number	24108-0/P-5	24112-1/P-5	24112-0/P-5	24116-1/P-5	24116-0/P-5
Frequency Band (MHz)	138-225	138-225	138-225	138-225	138-225
# of Channels	5-8	9-12	9-12	13-16	13-16
Pass Band	3-8 MHz	3-8 MHz	3-8 MHz	3-8 MHz	3-8 MHz
# of Resonators	5	5	5	5	5
Rx/Rx Isolation	20 + dB	20 + dB	20 + dB	20 + dB	20 + dB
System Voltage	115 VAC	115 VAC	115 VAC	115 VAC	115 VAC
Amplifier Gain	+20 dB	+20 dB	+20 dB	+20 dB	+20 dB
Amplifier Type	E-pHEMPT	E-pHEMPT	E-pHEMPT	E-pHEMPT	E-pHEMPT
Amplifier Noise Figure	3.0 dB	3.0 dB	3.0 dB	3.0 dB	3.0 dB
Amplifier 3rd Order IP	+42 dBm	+42 dBm	+42 dBm	+42 dBm	+42 dBm
Amplifier 1 dB Comp	+21 dBm	+21 dBm	+21 dBm	+21 dBm	+21 dBm
Amplifier Bias Voltage	13.6 VDC	13.6 VDC	13.6 VDC	13.6 VDC	13.6 VDC
Amplifier Current Draw	200 mA	200 mA	200 mA	200 mA	200 mA
System NF (typ.)	5.0 dB	5.0 dB	5.0 dB	5.0 dB	5.0 dB
Nominal Impedance	50 Ω	50 Ω	50 Ω	50 Ω	50 Ω
Max. VSWR @ Resonance	1.25:1	1.25:1	1.25:1	1.25:1	1.25:1
Temperature Range	- 22 to +140 $^{\circ}$ F - 30 to +60 $^{\circ}$ C	- 22 to +140 $^{\circ}$ F - 30 to +60 $^{\circ}$ C	- 22 to +140 $^{\circ}$ F - 30 to +60 $^{\circ}$ C	- 22 to +140 $^{\circ}$ F - 30 to +60 $^{\circ}$ C	- 22 to +140 $^{\circ}$ F - 30 to +60 $^{\circ}$ C

RECEIVER MULTICOUPLER

MECHANICAL SPECIFICATIONS

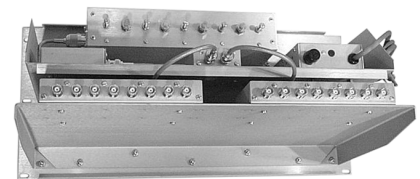
Dimensions: Inches (HxWxD)	5 1/4 x 19 x 10	8 3/4 x 19 x 10	8 3/4 x 19 x 10	8 3/4 x 19 x 10	8 3/4 x 19 x 10
Metric	134 x 483 x 254	223 x 483 x 254	223 x 483 x 254	223 x 483 x 254	223 x 483 x 254
Connectors: Input / Output	N / N	N / BNC	N / N	N / BNC	N / N
Ship Weight: lbs. / kg.	12 / 5.5	15 / 6.9	15 / 6.9	17 / 7.8	17 / 7.8



24108-0/P-5



24112-0/P-5



24116-1/P-5

