

MULTICOUPLERS

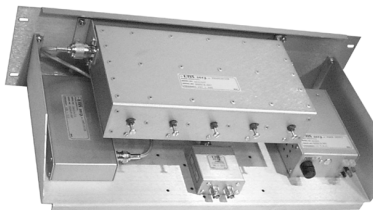
UHF 300 - 512 MHz

ELECTRICAL SPECIFICATIONS

Model Number	25102-1/P-5	25102-0/P-5	25104-1/P-5	25104-0/P-5	25108-1/P-5
Frequency Band (MHz)	300-512	300-512	300-512	300-512	300-512
# of Channels	2	2	3-4	3-4	5-8
Pass Band	3-10 MHz	3-10 MHz	3-10 MHz	3-10 MHz	3-10 MHz
# of Resonators	5	5	5	5	5
Rx/Rx Isolation	23+ dB	23+ dB	23+ dB	23+ dB	23+ 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

MECHANICAL SPECIFICATIONS

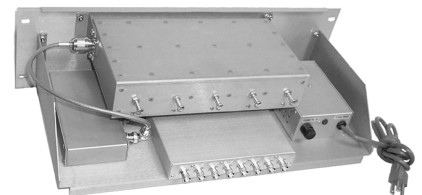
Dimensions: Inches (HxWxD)	5 1/4 x 19 x 10	5 1/4 x 19 x 10	5 1/4 x 19 x 10	5 1/4 x 19 x 10	5 1/4 x 19 x 10
Metric	134 x 483 x 254	134 x 483 x 254	134 x 483 x 254	134 x 483 x 254	134 x 483 x 254
Connectors: Input / Output	N / BNC	N / N	N / BNC	N / N	N / BNC
Ship Weight: lbs. / kg.	12 / 5.4	12 / 5.4	12 / 5.4	12 / 5.4	12 / 5.4



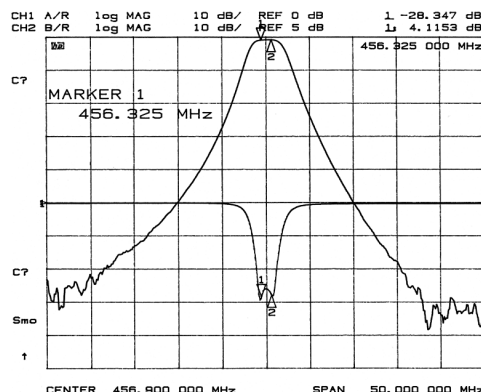
25102-1/P-5



25104-0/P-5



25108-1/P-5



MULTICOUPLERS

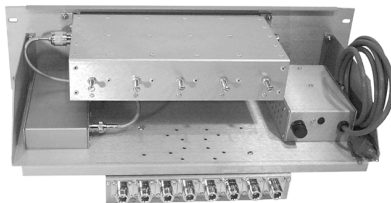
UHF 300 - 512 MHz

ELECTRICAL SPECIFICATIONS

Model Number	25108-0/P-5	25112-1/P-5	25112-0/P-5	25116-1/P-5	25116-0/P-5
Frequency Band (MHz)	300-512	300-512	300-512	300-512	300-512
# of Channels	5-8	9-12	9-12	13-16	13-16
Pass Band	3-10 MHz	3-10 MHz	3-10 MHz	3-10 MHz	3-10 MHz
# of Resonators	5	5	5	5	5
Rx/Rx Isolation	23+ dB	23+ dB	23+ dB	23+ dB	23+ 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 dB	+21 dB	+21 dB	+21 dB	+21 dB
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

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



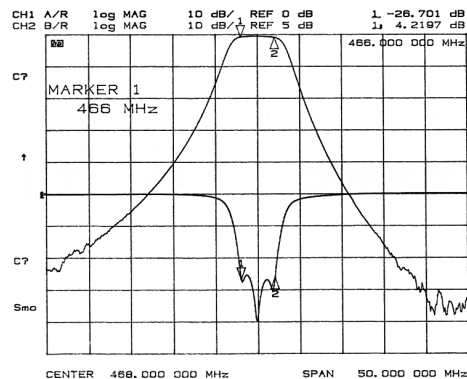
25108-0/P-5



25112-1/P-5



25116-0/P-5



MULTICOUPLERS

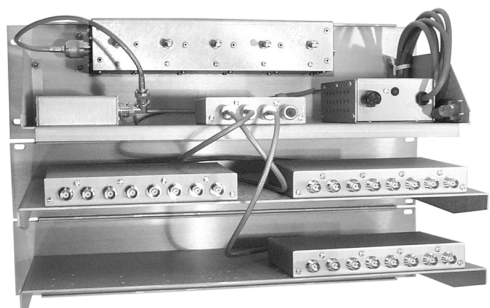
UHF 300 - 512 MHz

ELECTRICAL SPECIFICATIONS

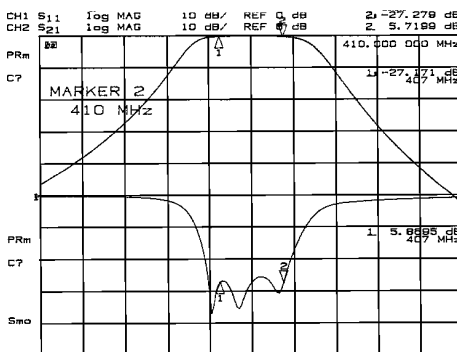
Model Number	25124-1/P-5	25124-0/P-5	25132-1/P-5	25132-0/P-5
Frequency Band (MHz)	300-512	300-512	300-512	300-512
# of Channels	17-24	17-24	25-32	25-32
Pass Band	3-10 MHz	3-10 MHz	3-10 MHz	3-10 MHz
# of Resonators	5	5	5	5
Rx/Rx Isolation	23+ dB	23+ dB	23+ dB	23+ dB
System Voltage	115 VAC	115 VAC	115 VAC	115 VAC
Amplifier Gain	+20 dB	+20 dB	+20 dB	+20 dB
Amplifier Type	E-pHEMPT	E-pHEMPT	E-pHEMPT	E-pHEMPT
Amplifier Noise Figure	3.0 dB	3.0 dB	3.0 dB	3.0 dB
Amplifier 3rd Order IP	+42 dBm	+42 dBm	+42 dBm	+42 dBm
Amplifier 1 dB Comp	+21 dBm	+21 dBm	+21 dBm	+21 dBm
Amplifier Bias Voltage	13.6 VDC	13.6 VDC	13.6 VDC	13.6 VDC
Amplifier Current Draw	200 mA	200 mA	200 mA	200 mA
System NF (typ.)	5.0 dB	5.0 dB	5.0 dB	5.0 dB
Nominal Impedance	50 Ω	50 Ω	50 Ω	50 Ω
Max. VSWR @ Resonance	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

MECHANICAL SPECIFICATIONS

Dimensions: Inches (HxWxD)	12 1/4 x 19 x 10	12 1/4 x 19 x 10	12 1/4 x 19 x 10	12 1/4 x 19 x 10
Metric	312 x 483 x 254	312 x 483 x 254	312 x 483 x 254	312 x 483 x 254
Connectors: Input	N	N	N	N
Output	BNC	N	BNC	N
Ship Weight: lbs.	21	21	23	23
kg.	9.6	9.6	10.5	10.5



25124-1/P-5



25132-0/P-5

MULTICOUPLERS

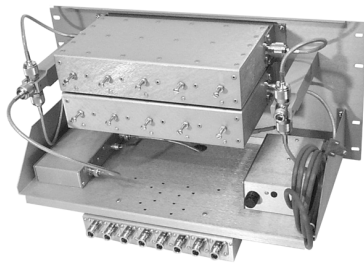
UHF 300 - 512 MHz

ELECTRICAL SPECIFICATIONS

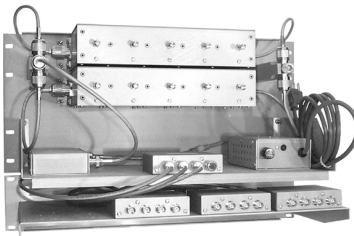
Model Number	25108-1/DP-5	25108-0/DP-5	25112-1/DP-5	25112-0/DP-5	25116-1/DP-5
Frequency Band (MHz)	300-512	300-512	300-512	300-512	300-512
# of Channels	5-8	5-8	9-12	9-12	13-16
Pass Band	3-4 MHz	3-4 MHz	3-4 MHz	3-4 MHz	3-4 MHz
# of Resonators	5	5	5	5	5
Rx/Rx Isolation	23+ dB	23+ dB	23+ dB	23+ dB	23+ 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

MECHANICAL SPECIFICATIONS

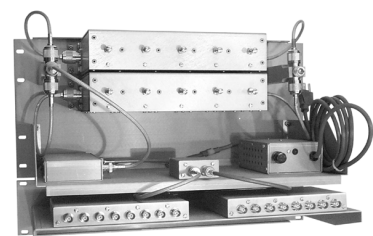
Dimensions: Inches (HxWxD) Metric	8 3/4 x 19 x 10 223 x 483 x 254	8 3/4 x 19 x 10 312 x 483 x 254	12 1/4 x 19 x 10 312 x 483 x 254	12 1/4 x 19 x 10 312 x 483 x 254	12 1/4 x 19 x 10 312 x 483 x 254
Connectors: Input / Output	N / BNC	N / N	N / BNC	N / N	N / BNC
Ship Weight: lbs. / kg.	22 / 10.0	22 / 10.0	24 / 10.9	24 / 10.9	26 / 11.8



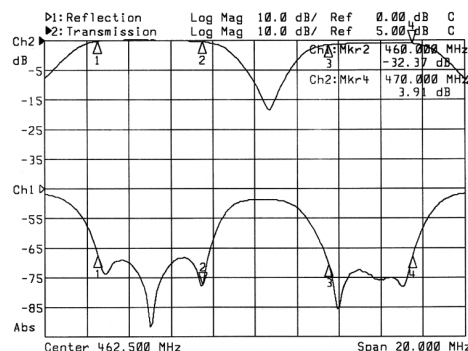
25108-0/DP-5



25112-1/DP-5



25116-1/DP-5



MULTICOUPLERS

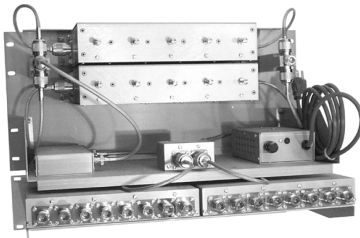
UHF 300 - 512 MHz

ELECTRICAL SPECIFICATIONS

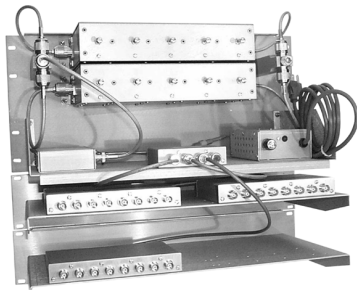
Model Number	25116-0/DP-5	25124-1/DP-5	25124-0/DP-5	25132-1/DP-5	25132-0/DP-5
Frequency Band (MHz)	300-512	300-512	300-512	300-512	300-512
# of Channels	13-16	17-24	17-24	25-32	25-32
Pass Band	3-4 MHz	3-4 MHz	3-4 MHz	3-4 MHz	3-4 MHz
# of Resonators	5	5	5	5	5
Rx/Rx Isolation	23+ dB	23+ dB	23+ dB	23+ dB	23+ 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

MECHANICAL SPECIFICATIONS

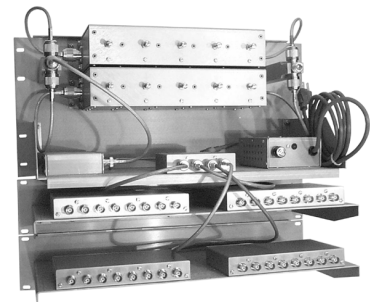
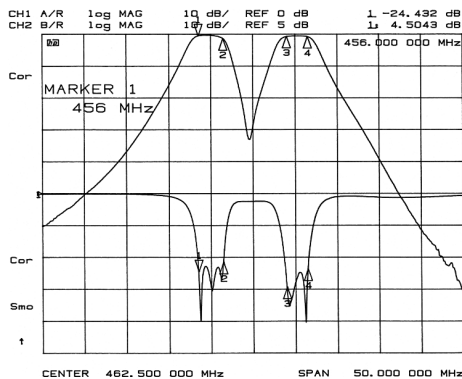
Dimensions: Inches (HxWxD)	12 1/4 x 19 x 10	15 3/4 x 19 x 10	15 3/4 x 19 x 10	15 3/4 x 19 x 10	15 3/4 x 19 x 10
Metric	312 x 483 x 254	312 x 483 x 254	312 x 483 x 254	312 x 483 x 254	312 x 483 x 254
Connectors: Input / Output	N / N	N / BNC	N / N	N / BNC	N / N
Ship Weight: lbs. / kg.	26 / 11.8	28 / 12.8	28 / 12.8	30 / 13.7	30 / 13.7



25116-0/DP-5



25124-1/DP-5



25132-1/DP-5