

TRANSMITTER COMBINERS

VHF 66 - 88 MHz

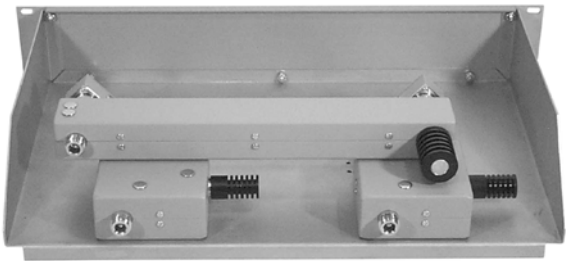
ELECTRICAL SPECIFICATIONS

Model Number	23321	23341	23421	23422	23441
Frequency Band (MHz)	66-88	66-88	66-88	66-88	66-88
# of Channels	2	4	2	2	4
Max. Pwr Per Channel	20 W	20 W	50 W	50 W	50 W
Insertion Loss	3.7 dB	6.8 dB	3.7 dB	4.0 dB	6.8 dB
Isolation Tx/Tx	65 dB	65 dB	65 dB	100 dB	65 dB
Isolation Ant/Tx	35+ dB	35+ dB	35+ dB	70+ dB	35+ dB
Impedance	50 Ω	50 Ω	50 Ω	50 Ω	50 Ω
Max. VSWR Input/Output	1.1:1 / 1.3:1	1.1:1 / 1.3:1	1.1:1 / 1.3:1	1.1:1 / 1.3:1	1.1:1 / 1.3:1
Isolator	Single	Single	Single	Dual	Single
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
List Price	\$1,750.00	\$3,155.00	\$2,000.00	\$2,380.00	\$4,490.00

MECHANICAL SPECIFICATIONS

Dimensions (HxWxD)	Inches	3 1/2 x 19 x 14 1/2	7 x 19 x 14 1/2	3 1/2 x 19 x 14 1/2	3 1/2 x 19 x 14 1/2	10 1/2 x 19 x 14 1/2
	Metric	89 x 483 x 369	178 x 483 x 369	89 x 483 x 369	89 x 483 x 369	267 x 483 x 369
Required Rack Units		2	2	2	2	6
Connectors		N Female	N Female	N Female	N Female	N Female
Finish		EMR Gray Chem Film	EMR Gray Chem Film	EMR Gray Chem Film	EMR Gray Chem Film	EMR Gray Chem Film
Ship Weight: lbs. kg.		13 5.9	26 11.8	18 8.2	22 10.0	26 11.8

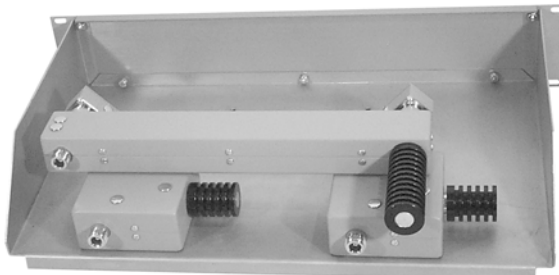
23321



23341



23421



TRANSMITTER COMBINERS

VHF 66 - 88 MHz

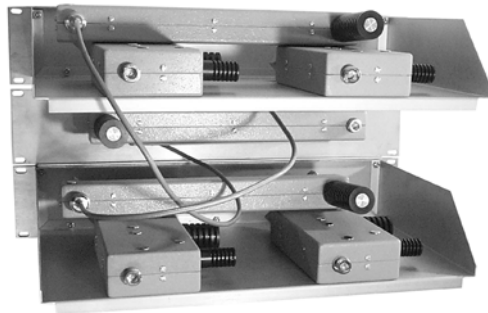
ELECTRICAL SPECIFICATIONS

Model Number	23442	23521/H	23522/H	23541/H	23522/HF
Frequency Band (MHz)	66-88	66-88	66-88	66-88	66-88
# of Channels	4	2	2	4	2
Max. Pwr Per Channel	50 W	100 W	100 W	100 W	150 W
Insertion Loss	7.0 dB	3.7 dB	4.0 dB	6.8 dB	4.0 dB
Isolation Tx/Tx	100 dB	65 dB	100 dB	65 dB	100 dB
Isolation Ant/Tx	70+ dB	35+ dB	70+ dB	35+ dB	70+ dB
Impedance	50 Ω	50 Ω	50 Ω	50 Ω	50 Ω
Max. VSWR Input / Output	1.1:1 / 1.3:1	1.1:1 / 1.3:1	1.1:1 / 1.3:1	1.1:1 / 1.3:1	1.1:1 / 1.3:1
Isolator	Dual	Single	Dual	Single	Dual
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
List Price	\$5,200.00	\$2,555.00	\$3,113.00	\$5,740.00	\$4,990.00

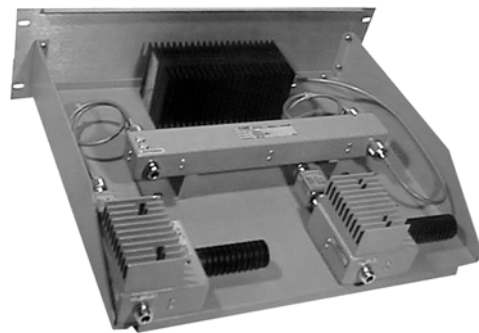
MECHANICAL SPECIFICATIONS

Dimensions (HxWxD)	Inches Metric	10 1/2 x 19 x 14 1/2 267 x 483 x 369	5 1/4 x 19 x 14 1/2 134 x 483 x 369	5 1/4 x 19 x 14 1/2 134 x 483 x 369	14 x 19 x 14 1/2 356 x 483 x 369	14 x 19 x 17 356 x 483 x 432
Required Rack Units		6	3	3	8	8
Connectors		N Female	N Female	N Female	N Female	N Female
Finish		EMR Gray Chem Film	EMR Gray Chem Film	EMR Gray Chem Film	EMR Gray Chem Film	EMR Gray Chem Film
Ship Weight: lbs. kg.		33 15.0	22 10.0	26 11.8	28 12.8	32 14.6

23442



23521/H



23522/HF



HYBRID FERRITE