

TRANSMITTER COMBINERS

VHF 300 - 650 MHz

ELECTRICAL SPECIFICATIONS

Model Number	25321	25341	25421	25422	25441
Frequency Band (MHz)	300-650	300-650	300-650	300-650	300-650
# of Channels	2	2	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	\$1,400.00	\$2,380.00	\$1,670.00	\$2,280.00	\$3,840.00

MECHANICAL SPECIFICATIONS

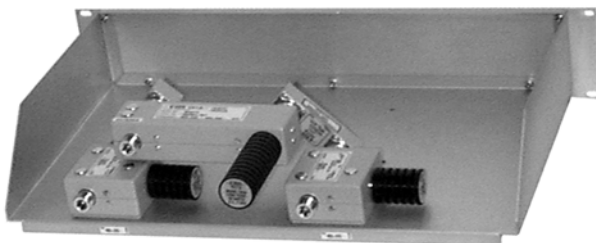
Dimensions	1 3/4 x 19 x 11 1/4 45 x 483 x 286	1 3/4 x 19 x 11 1/4 45 x 483 x 286	3 1/2 x 19 x 14 1/2 89 x 483 x 369	3 1/2 x 19 x 14 1/2 89 x 483 x 369	10 1/2 x 19 x 14 1/2 267 x 483 x 369
Required Rack Units	2	2	2	2	6
Connectors	N Female	N Female	N Female	N Female	N Female
Finish	EMR Gray	EMR Gray	EMR Gray	EMR Gray	EMR Gray
Ship Weight: lbs.	12	16	16	18	22
kg.	5.5	7.3	7.3	8.2	10.0



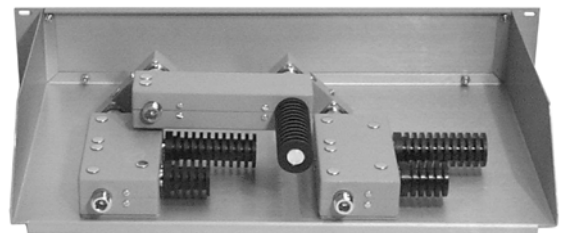
25321



25341



25421



25422

HYBRID FERRITE

TRANSMITTER COMBINERS

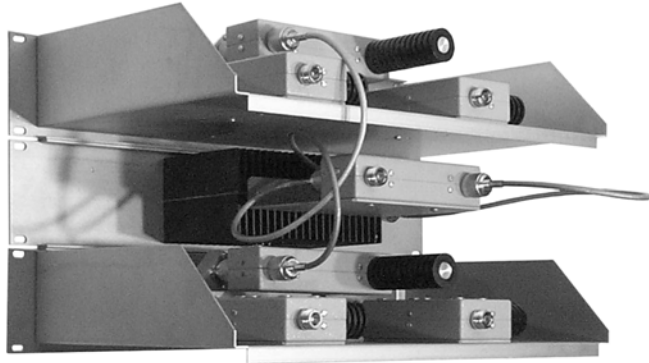
UHF 300 - 650 MHz

ELECTRICAL SPECIFICATIONS

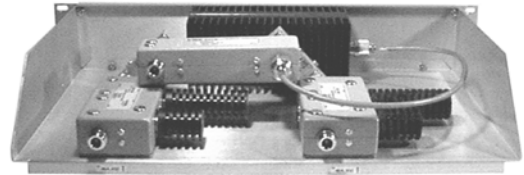
Model Number	25442	25521	25522	25541	25542
Frequency Band (MHz)	300-650	300-650	300-650	300-650	300-650
# of Channels	4	2	2	4	4
Max. Pwr Per Channel	50 W	125 W	125 W	125 W	125 W
Insertion Loss	7.0 dB	3.7 dB	4.0 dB	6.8 dB	7.0 dB
Isolation Tx/Tx	100 dB	65 dB	100 dB	65 dB	100 dB
Isolation Ant/Tx	70+ dB	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	\$5,060.00	\$1,990.00	\$2,680.00	\$4,590.00	\$5,990.00

MECHANICAL SPECIFICATIONS

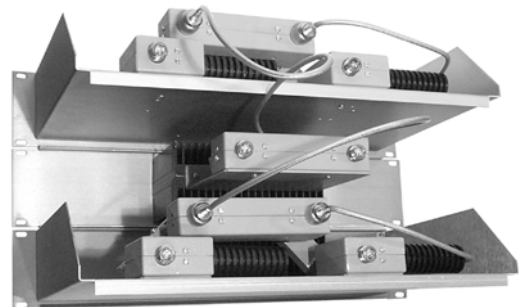
Dimensions (HxWxD)	Inches Metric	10 1/2 x 19 x 14 1/2 267 x 483 x 369	3 1/2 x 19 x 14 1/2 89 x 483 x 369	3 1/2 x 19 x 14 1/2 89 x 483 x 369	10 1/2 x 19 x 14 1/2 267 x 483 x 369	10 1/2 x 19 x 14 1/2 267 x 483 x 369
Required Rack Units		6	2	2	6	6
Connectors		N Female	N Female	N Female	N Female	N Female
Finish		EMR Gray	EMR Gray	EMR Gray	EMR Gray	EMR Gray
Ship Weight: lbs. kg.		33 15.0	22 10.0	24 10.9	20 9.1	22 10.0



25442



25522



25541

TRANSMITTER COMBINERS

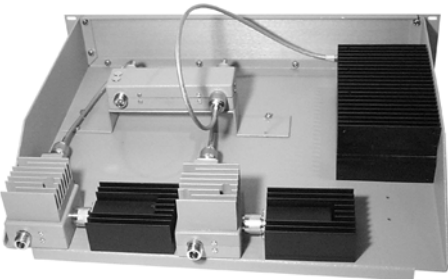
UHF 300 - 650 MHz

ELECTRICAL SPECIFICATIONS

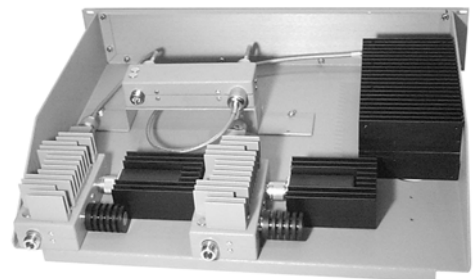
Model Number	25521/H	25522/H	25541/H	25542/H	25621/HF	25642/HF
Frequency Band (MHz)	300-650	300-650	300-650	300-650	300-650	300-650
# of Channels	2	2	4	4	2	4
Max. Pwr Per Channel	150 W	150 W	150 W	150 W	250 W	250 W
Insertion Loss	3.7 dB	4.0 dB	6.8 dB	7.0 dB	3.7 dB	7.0 dB
Isolation Tx/Tx	65 dB	100 dB	65 dB	100 dB	65 dB	100 dB
Isolation Ant/Tx	35+ dB	70+ dB	35+ dB	70+ dB	35+ dB	70+ dB
Impedance	50 Ω	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	1.1:1 / 1.3:1
Isolator	Single	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	- 22 to +140 °F - 30 to +60 °C
List Price	\$2,195.00	\$2,900.00	\$5,085.00	\$6,490.00	\$4,470.00	\$10,425.00

MECHANICAL SPECIFICATIONS

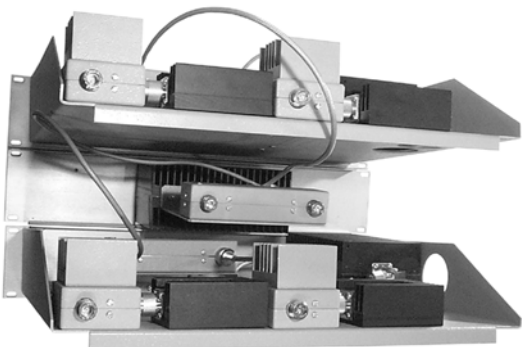
Dimensions (HxWxD)	Inches	3 1/2 x 19 x 14 1/2	3 1/2 x 19 x 14 1/2	10 1/2 x 19 x 14 1/2	10 1/2 x 19 x 14 1/2	14 x 19 x 17	26 x 19 x 17
	Metric	89 x 483 x 369	89 x 483 x 369	267 x 483 x 369	267 x 483 x 369	356 x 483 x 432	661 x 483 x 432
Required Rack Units		2	2	6	6	8	15
Connectors		N Female	N Female	N Female	N Female	N Female	N Female
Finish		EMR Gray	EMR Gray	EMR Gray	EMR Gray	EMR Gray	EMR Gray
Ship Weight: lbs. kg.		22	26	28	32	35	37
		10.0	11.8	12.8	14.6	15.9	16.8



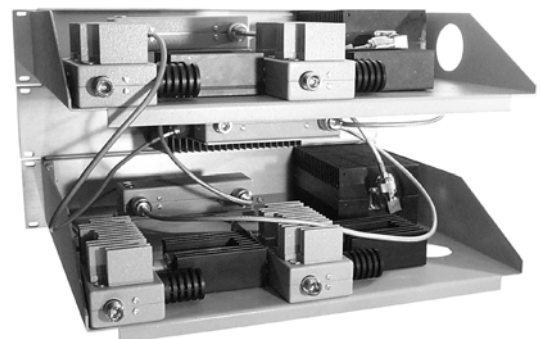
25521/H



25522/H



25541/H



25542/H