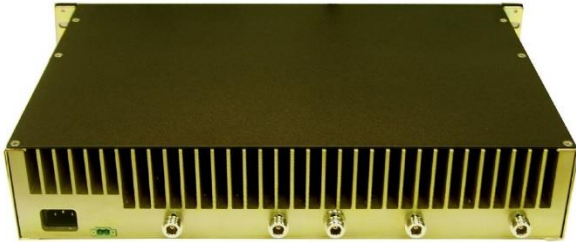


HC10x-Series Hybrid Transmit Combiner (150-960 MHz) 2-4 channels



2-4 Channel Hybrid Combiner Front Panel (Fan Intake)



Rear View showing Connectors
8-Channel Model Similar but 6RU –See page 2

Features and Benefits

- ❖ Hybrid combiner enables combining of closely spaced signals on to one transmit antenna.
- ❖ No transmitter frequency spacing limitation; No factory tuning required.
- ❖ Built-in fans are thermally activated; Fan Power LED Fan Test pushbutton and dual power input are provided.
- ❖ Dual-stage TX isolators provide high TX-TX isolation.

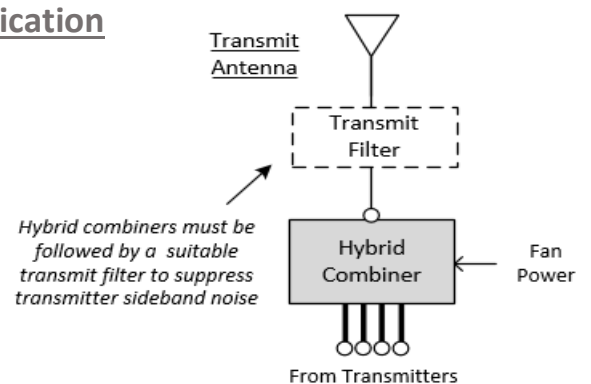
Ordering Information / Insertion Loss Table

Frequency Band - MHz	Transmit Channels	Model		Insertion Loss dB
		110-240VAC/12 VDC	48 VDC	
150-174	2	HC10500-02J	HC10500-02J4	4.50
	4	HC10500-04J	HC10500-04J4	8.00
380-420	4	HC10700-04J	HC10700-04J4	7.50
400-475	2	HC10400-02J	HC10400-02J4	4.50
	3	HC10400-03J	HC10400-03J4	7.50
	4	HC10400-04J	HC10400-04J4	7.50
450-512	4	HC10600-04J	HC10600-04J4	7.50
850-870	4	HC10300-04J	HC10300-04J4	7.80
850-960	2	HC10200-02J	HC10200-02J4	4.30
	3	HC10200-03J	HC10200-03J4	6.60
	4	HC10200-04J	HC10200-04J4	7.90
	8	HC10200-08J	HC10200-08J4	11.00

Specifications

Electrical Specifications	
Average Power Limit	100W per Input
Number of Channels	2, 3, 4, 8-Channel Models
Frequency Separation	No Min/Max Limitations
Frequency Range & Insertion Loss	See Ordering Information
Isolation TX-TX ANT-TX	70 Min/75 Typ 50 Min/55 Typ
Return Loss	>14 dB
Power Requirement 110-240 VAC and/or 12 VDC	2,3,4-Channel 20W 8-Channel 60W 15W 45W
Power Requirement – DC Model	48 VDC at <0.5 A (<24 Watts) (±36-72 VDC isolated)
Mechanical Specifications	
Construction/Finish	Aluminum Extrusion, Gold Chem Film, Black Paint
Mounting	EIA 19-inch Rack
Operating Temperature Range	-30° C to +60° C
Input Connectors	N Female
AC Power Connector	IEC320-C13 AC Inlet (x3 8-Channel Model)
DC Power Connector	2-position Terminal Block Connector(x3 8-Channel Model)
Dimensions and Weight	
Width (Panel)	19.0 in
Height 2,3,4-Channel models: Height 8-Channel model:	3.5 in (2RU) 10.5 in (6RU)
Depth	12.5 in.
Weight Net Weight Shipping Weight	2,3,4-Channel 34 Lbs 45 Lbs 8-Channel 100 Lbs. 120 Lbs.

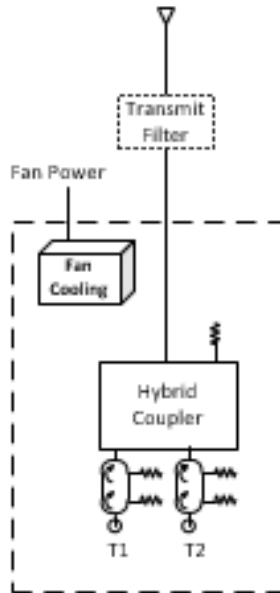
Application



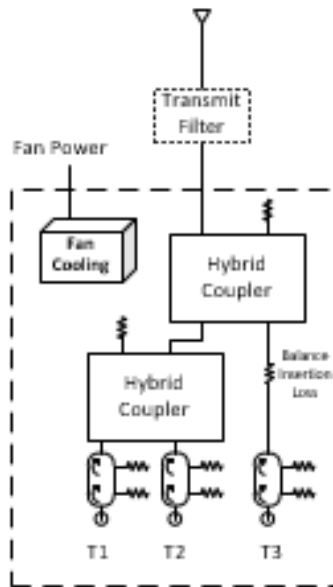
HC10x-Series Hybrid Transmit Combiner (150-960 MHz) 2-4 channels



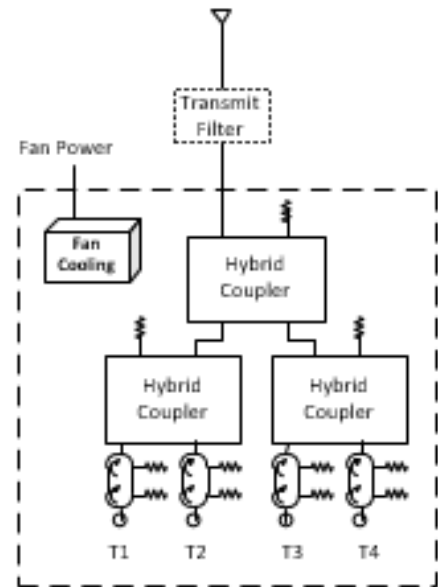
Note: Hybrid Combiners must be followed by a suitable transmit filter to suppress transmitter sideband noise.



-02J 2-Channel Models

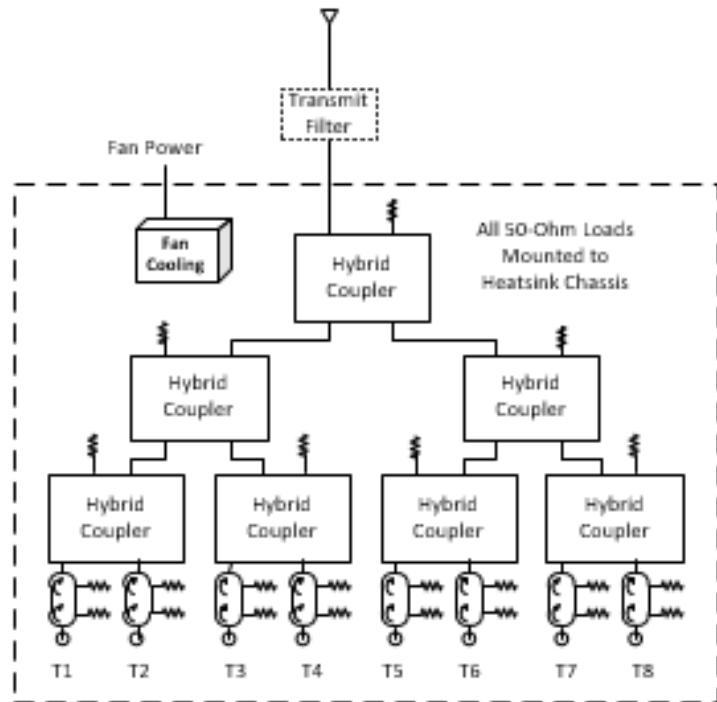
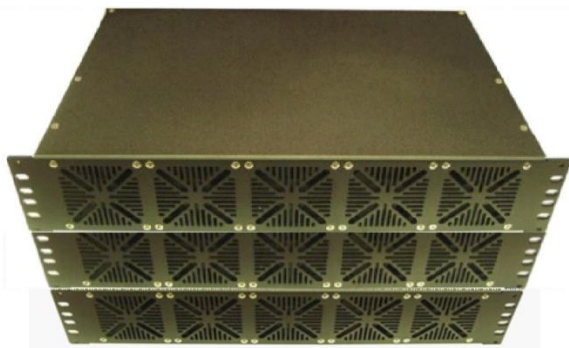


-03J 3-Channel Models



-04J 4-Channel Models

All 50-Ohm Loads Mounted to Heatsink Chassis



-08J 8-Channel Models