

HH2140-220-E2632 Coupler, balanced, 3% B.W., N-Male/ N-Female, 350 Watts, 200-230 MHz

- T1 to T2 inputs N Male, load and antenna termination N Female.
- Max insertion loss of 3.3 dB per port
- 350 Watts power handling
- VSWR less than 1.25 for T1 to T2 ports



With the growing requirement for closely-spaced higher power systems, Sinclair has introduced several new hybrid couplers. When installed on a panel with suitable Sinclair loads and harmonic filters, this series of 'HP' hybrid couplers is the basis of our higher power hybrid-ferrite combiners: a hybrid coupler panel is used to expand a 2-channel combiner up to 4 channels, 4 up to 6, etc.

All Sinclair hybrid couplers except HH-1140 are field tunable.

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Product Specification Sheet EPR 017070		HH2140-220-E2632	Issue: 3	Dated: 15-07-16 Dated: 13-04-11

### Electrical Specifications

Frequency Range	MHz	200 to 230	*1
VSWR (max)		1.25:1	*2
Impedance	Ω	50	
Average Power Input (max)	W	350	
Input Connectors		N-Male	
Output Connectors		N-Female	
Insertion Loss (max) Tx to Ant	dB	3.3	*3
Isolation (min)	dB	45	

### Notes

- \*1 : Bandwidth at 3% of center frequency
- \*2 : T1 to T2 ports
- \*3 : Per port
- \*4 : Excluding connectors
- \*5 : Excluding connectors
- \*6 : Excluding connectors

### Mechanical Specifications

Width	in (mm)	14 (356)	*4
Depth	in (mm)	1.4 (36)	*5
Length/ Height	in (mm)	1.2 (30)	*6
Weight	lbs (kg)	1.4 (0.64)	
Actual shipping weight	lbs (kg)	3 (1.36)	
Shipping dimensions	in (mm)	26x4x6 (660x102x152)	

### Ordering Information

T1 to T2 inputs N-Male- Load and antenna termination N-Female.  
Specify operating frequencies.

### Environmental Specifications

Temperature range	°F (°C)	-22 to +140 (-30 to +60)
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