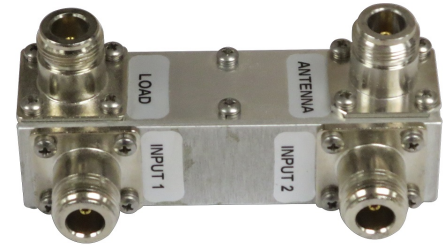


HH4140B Coupler, balanced, 3% B.W., N-Female, 300 Watts, 806-960 MHz

- N-Female connectors on all ports
- Max insertion loss of 3.3 dB per port
- 300 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. These hybrids have been carefully designed to handle the power levels used for “upband” trunking and 900 MHz paging. A UHF version is also available for use in conjunction with our new CT-453 cavity-ferrite combiners, which allows channel spacing as close as 75 kHz on an 8-channel system. 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.



www.sinctech.com

Region	United States	Europe, Middle East and Africa	Caribbean and Latin America	Canada and rest of the world
Telephone	USA: 1 800 263 3275	International: +44 (0) 1487 84 28 19	International: +1 905 726 7676	Canada: 1 800 263 3275 International: +1 905 727 0165
E-mail	salesusa@sinctech.com	salesuk@sinctech.com	salesla@sinctech.com	salescan@sinctech.com
Product Specification Sheet		HH4140B	Issue: 93	Dated: 15-07-16

Electrical Specifications

Frequency Range	MHz	806 to 960	*1
VSWR (max)		1.25:1	
Impedance	Ω	50	
Connectors		N-female	
Power Rating	W	300	
Insertion Loss (max) Tx to Ant	dB	3.3	*2
Isolation (min)	dB	45	

Notes

- *1 : 3% bandwidth at center frequency
- *2 : Per port
- *3 : Excluding connectors
- *4 : Excluding connectors
- *5 : Excluding connectors

Mechanical Specifications

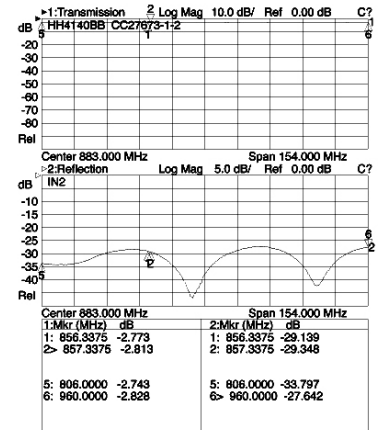
Width	in (mm)	3.8 (97)	*3
Depth	in (mm)	1.2 (30)	*4
Length/ Height	in (mm)	1 (25)	*5
Weight	lbs (kg)	0.6 (0.27)	
Actual shipping weight	lbs (kg)	2 (0.91)	
Shipping dimensions	in (mm)	13x9x3 (330x229x76)	

Ordering Information

Specify operating frequencies.

Environmental Specifications

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