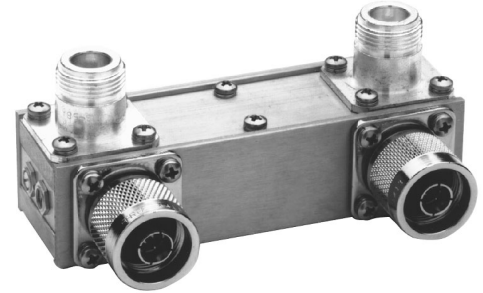


HH4141BB-E6035 Coupler, unbalanced 70/30, N-Male/ N-Female, 300 Watts, 806-960 MHz

- 300 Watts power handling
- Max insertion loss of 5.4 +/-0.3 dB or 1.5 +/- 0.2 dB per port
- VSWR less than 1.25 for T1 to T2 ports
- No tuning required

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 ‘BB’ and “CB” hybrid couplers is the basis of our wide bandwidth hybrid -ferrite combiners: a hybrid coupler panel is used to expand a 2-channel combiner up to 4 channels, 4 up to 6, etc.



www.sinctech.com

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E-mail	salesusa@sinctech.com	salesuk@sinctech.com	salesla@sinctech.com	salescan@sinctech.com

Electrical Specifications

Frequency Range	MHz	806 to 960	
VSWR (max)		1.25:1	
Impedance	Ω	50	
Connectors		N-Male/N-Female	
Power Rating	W	300	
Insertion loss (max) Tx to Ant	dB	5.4	*1
Isolation (min)	dB	20	

Notes

- *1 : 5.4 +/- 0.3 dB and 1.5 +/- 0.2 dB
- *2 : Excluding connectors
- *3 : Excluding connectors
- *4 : Excluding connectors

Mechanical Specifications

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

Environmental Specifications

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