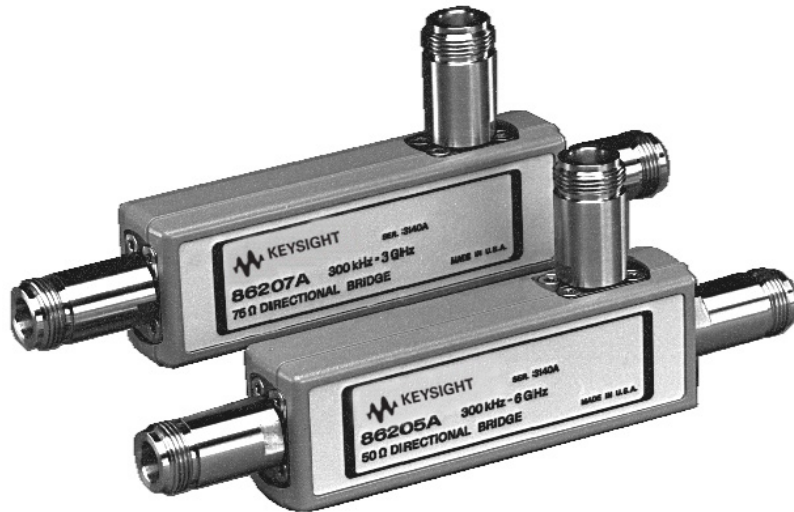


Keysight RF Bridges

The Keysight high directivity RF bridges offer unparalleled performance in a variety of general purpose applications. They are ideal for accurate reflection measurements and signal-leveling applications. They combine the directivity and broadband frequency range of directional bridges; the low insertion loss and flat coupling factor of directional couplers. This bridge can be use with the Keysight ENA Series RF network analyzers.



3 RF bridges, 86205A, 86207A, and 86205B

Key features

- Wide frequency range from 300 kHz to 6 GHz
- Excellent 40 dB directivity allows you to measure high return loss devices and good port match lets you measure low return loss devices
- Flat coupling factor of ± 0.2 dB for power leveling

Product specifications

Model	86205A	86205B	86207A
Frequency range	300 kHz to 6 GHz	300 kHz to 3 GHz	300 kHz to 3 GHz
Impedance	50 Ω	50 Ω	75 Ω
Directivity (min)	30 dB, 0.3 MHz to 5 MHz	38 dB, 0.3 MHz to 1.3 GHz	30 dB, 0.3 MHz to 5 MHz
	40 dB, 5 MHz to 2 GHz	33 dB, 1.3 GHz to 3 GHz	40 dB, 5 MHz to 1.3 GHz
	30 dB, 2 GHz to 3 GHz		35 dB, 1.3 GHz to 2 GHz
	20 dB, 3 GHz to 5 GHz (typical)		30 dB, 2 GHz to 3 GHz (typical)
	16 dB, 5 GHz to 6 GHz (typical)		
Return loss (min)	23 dB, 0.3 MHz to 2 GHz	14 dB, 0.3 MHz to 3 GHz	20 dB, 0.3 MHz to 1.3 GHz
	20 dB, 2 GHz to 3 GHz		18 dB, 1.3 GHz to 2 GHz
	18 dB, 3 GHz to 5 GHz (typical)		18 dB, 2 GHz to 3 GHz (typical)
	16 dB, 5 GHz to 6 GHz (typical)		
Insertion loss (max)	1.5 dB, +0.1 dB/GHz	2.0 dB, 0.3 MHz to 1 GHz	1.5 dB, +0.1 dB/GHz
		2.5 dB, 1 GHz to 3 GHz	
Coupling factor (nom)	(< 3 GHz) 16.0 dB, +0.15 dB/GHz	-21 dB to -15 dB, 0.3 MHz to 3 GHz	(< 3 GHz) 16.0 dB, +0.15 dB/GHz
	(> 3 GHz) 16.5 dB, -0.20 dB/GHz		

More information on “Keysight RF Bridges”, please refer to product literature number 5097-3117E.

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