

High Power Combiner/Divider



MECA introduces a compact, 100 watt Wilkinson power combiner/divider designed for use in AMPS, TDMA, CDMA, GSM and CDPD systems applications operating over the 0.800 - 1.000 GHz frequency range. The H804-4-0.900 (4-way, N-Female) is ideally suited for high power combining applications and will handle 25 watts input per channel (25 x 4) as a combiner and 100 watts total as a divider into load VSWR of 2.0:1 or better. This unit measures a trim 4.50 x 2.00 x 1.00 inches and provides full rated power handling without the need for additional heatsinking. Exceptional electrical performance include typical isolation of 25 dB, VSWR of 1.15:1, insertion loss of 0.3 dB, amplitude balance of 0.2 dB and phase balance of 2 degrees.

Mechanical features include brass N-Female connectors, gold plated copper contact pins, virgin electrical grade Teflon insulation within the connectors and a rugged aluminum housing for superior shielding of the divider circuitry.

Other high power combining models such as the H802-4-0.900 (2-way, N-Female) and 2 or 4-way models for DCS, PCS and UTMS systems applications operating over the 1.700 - 2.200 GHz frequency range are also available.

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<http://www.wirelessdesignmag.com/product-releases/2002/01/high-power-combiner/divider>