Press Release

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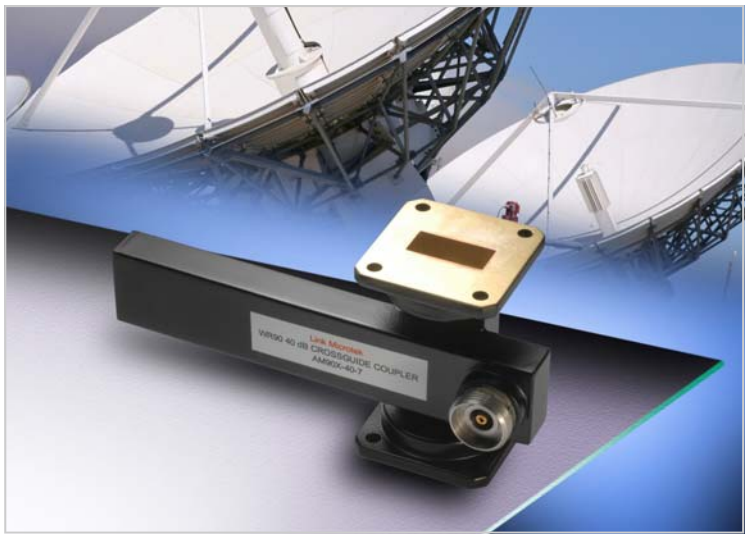
Expanded range of cross-guide couplers for monitoring microwave power in confined spaces



Link Microtek's Engineering Division has expanded its AMX range of waveguide cross-guide couplers, which are designed for monitoring microwave power in space-restricted systems.

Available in 16 different rectangular waveguide sizes covering frequencies from 1 to 40GHz, these compact couplers are suitable for use in applications ranging from commercial satellite communication systems to military radar.

The new additions to the AMX range include reduced-weight devices that are produced in aluminium and precise power monitoring units featuring a high directivity of 20dB over reduced bandwidths.

For high power applications, units can now be provided with coupling factors up to 60dB from lower frequencies (1GHz) to mmwave frequencies (26.5-40GHz), while for minimum space requirements, ultra-short mainline units are available, e.g. just 50mm for a WR90 coupler.

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All models in the AMX series feature a very flat coupling response over half waveguide bandwidth, with a mean coupling of +/- 0.5dB, a frequency sensitivity of +/- 1dB, a minimum directivity of 15dB and a low mainline VSWR of 1.06:1. The devices can be specified with a wide choice of connector types, including APC7, APC3.5, SMA, N, TNC, SSMA, K and waveguide flange outputs.

Link Microtek's Engineering Division offers a rapid-turnaround custom design service for special requirements such as non-standard waveguide sizes or coupling values.

For further information, visit the Engineering Division website at www.linkmicrotekeng.com

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