

Directional coupler includes 30 dB coupling over the 4.0 to 20.0 GHz frequency range



KRYTAR announces a new Directional Coupler operating in the frequency range of 4.0 to 20.0 GHz offering Nominal Coupling of 30 dB in an extremely compact package.

KRYTAR's new directional coupler offers some of the lowest frequency couplers with stripline designs on the market. Stripline designs offer superior low insertion loss, high directivity and tight coupling. The new directional coupler lends itself to emerging wireless ultra-broadband designs and many test and measurement applications. These couplers can also be manufactured to meet military specifications. Targeting broadband electronic warfare (EW) systems and complex switch-matrix applications, for example, KRYTAR has used its proprietary designs to produce a wide assortment of directional couplers with ultra-high performance over a broadband frequency range.

KRYTAR's new directional coupler, Model 104020030, adds to the family of directional couplers offering superior performance over the 4.0 to 20.0 GHz frequency range. KRYTAR's technological advances provide excellent operating performance of this new stripline design unit. Model 104020030 delivers 30 dB (± 1.0 dB) of Nominal Coupling (with respect to output) and Frequency Sensitivity of ± 0.7 dB. Directivity is > 15 dB. The coupler exhibits Insertion Loss of < 0.60 dB across the full frequency range including coupled power. Maximum VSWR at any port is 1.35, Input Power Rating is 20 Watts Average and 3 KW Peak. Operating Temperature is -54°C to $+85^{\circ}\text{C}$.

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This new directional coupler is in an extremely compact package which measures only 1.40 inches (L) x 0.40 inches (W) x 0.66 inches (H). With the standard SMA female or optional SMA male connectors the coupler weighs just 1.0 ounces.

Web: www.krytar.com [1]

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[1] <http://www.krytar.com>