

WIDE BAND DIRECTIONAL COUPLERS



The Integrated Thin Film (ITF) Couplers offered in a variety of frequency bands compatible with various types of high frequency wireless systems.

ABOUT THE PRODUCT:

(Wide Band Couplers up to 16GHz, Sizes 0402 and 0603)



High directivity enables accurate sampling of forward RF signals while minimizing unwanted coupled signals



Low insertion loss helps maintain signal strength and reduces power loss in the main transmission path



Wide operating frequency band from 500 MHz to 16 GHz supports multiple RF and microwave applications using the same compact coupler platform



Wide range of coupling factors provides flexibility for power monitoring, feedback control, signal sampling, and test-point design



Stable electrical performance over the full frequency range supports consistent coupling accuracy and predictable system behavior



Small 0402 and 0603 LGA packages provide a low-profile, low-parasitic solution for high-density surface-mount RF designs

APPLICATIONS:

Satellite communication, mobile communications, wireless LAN, GPS and vehicle location systems, satellite TV receivers, SATCOM, RF power monitoring, power amplifier control, antenna matching and VSWR monitoring, test equipment, instrumentation, and compact wireless modules requiring stable coupling in a small surface-mount package.



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