Upgraded version of optical directional coupler for 5G base stations

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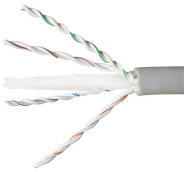
	The present document establishes the minimum RF characteristics and minimum performance requirements of NR and NB-IoT operation in NR in-band Base Station (BS).
	This paper presents an innovative method for designing an ultra-compact, high-performance directional coupler for 5G systems in the sub-6 GHz band.
	The PWCP-0640-4F Series is an ultra-wideband directional coupler engineered for high-capacity 5G BTS, IBS, and DAS applications. Covering an extended frequency range from 698MHz to 4000MHz, ...
	Our directional couplers using low temperature co-fired ceramics (LTCC) are available in a wide range of products with variations in frequency, shape and size, terminal structure, specification ...
	This paper introduces the design of a compact, broadband coupler tailored for 5G applications. The proposed innovative approach deftly combines two distinct techniques: stepped ...

The proposed systems aim to transmit data to four compact 5G Base Stations (BSs) that numerous 5G users can reach. The MMW-RF (Radio Frequency) link uses four MMW frequencies: ...

In this paper, the design of a broadband 5G (the fifth-generation) microstrip directional coupler is presented. This design adopts parallel coupling line struct.



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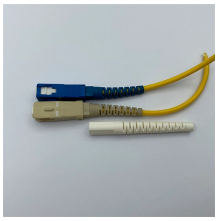
This article presents an in-depth study on the optimization of a patch-type coupler specifically designed for 5G applications, leveraging a multi-objective binary genetic algorithm ...

The X4C20J1-20G is designed particularly for power and frequency detection, as well as for return loss monitoring, where tightly controlled coupling and low insertion loss is required. It can be used in high ...



The PWCP-0640-4F Series is an ultra-wideband directional coupler engineered ...

Contact Us

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