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Find the *Keysight / Agilent 33340C* at our website: ***Click HERE***

New precision coaxial attenuator for OEMs

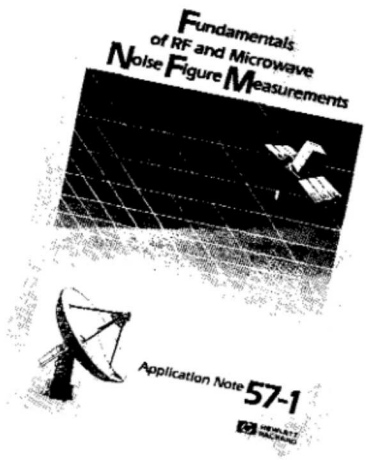
The HP 33340C Coaxial Attenuator is the latest in Hewlett-Packard's line of OEM components. If your signal needs precise attenuation, or if a component's SWR is too high, you can pad it out with this new coaxial component. The HP 33340C, which operates from dc to 26.5 GHz, offers six optional attenuation values: 3, 6, 10, 20, 30, and 40 dB.

Although OEM service usually involves "bolting in" a component and then forgetting it, the HP 33340C is designed for repeated connections. Its APC-3.5 connectors have a main shoulder of 0.021 inch, compared with 0.009 inch for SMA. Thus, they're much more rugged when repairs are needed.



For more information, check **G** *on the HP Reply Card.*

New application note replaces popular noise figure primer



If you're concerned with the noise figure of devices, components, subsystems, or systems, you'll want to send for Hewlett-Packard's new application note, *Principles of RF and Microwave Noise Figure Measurements*. This new application note, Number AN 57-1, replaces the highly popular AN 57, *Noise Figure Primer*.

This 40-page note can serve as a comprehensive tutorial for the neophyte, while also providing useful information for the experienced engineer. You'll find material covering subtle measurement considerations such as single-sideband versus double-sideband measurements, effects of local oscillator noise, second-stage effects and corrections, and a review of Y-factor and hot/cold techniques.

An extensive glossary includes common symbols, detailed explanations of most terms, and a bibliography of 34 other noise-related references.

For your free copy of AN 57-1, "Principles of RF and Microwave Noise Figure Measurements," check **H** *on the HP Reply Card.*

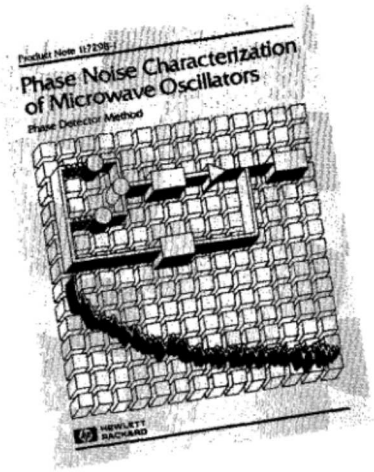
Product note simplifies single-sideband phase noise measurements

Hewlett-Packard's Model 11729B Carrier Noise Test Set turns a relatively complex, subtle measurement procedure into a high-confidence routine for test signals from 5 MHz to 18 GHz. Typical system noise floor at X-band for 10 kHz offsets is below −123 dBc/Hz.

Product Note 11729B-1, *Phase Noise Characterization of Microwave Oscillators (Phase Detector Method)*, presents an overview of the importance of phase noise and compares several common measuring techniques with emphasis on the phase-detection method.

Specific topics covered include phase-lock considerations, loop characterization, system noise-floor calculations, typical system accuracy, and a full section of step-by-step measurement procedures.

For your free copy of Product Note 11729B-1, "Phase Noise Characterization of Microwave Oscillators (Phase Detector Method)," check **I** *on the HP Reply Card.*



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