

## PRESS RELEASE

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### Avago Technologies Launches its First Fully Integrated Broadband Miniature Variable Attenuator Module.

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#### Fully Matched Compact Module Solution Provides Great Linearity and Superior Dynamic Range

BFI OPTILAS and Avago Technologies are pleased to announce a new fully matched wideband variable attenuator module for use in a wide range of broadband system applications.

The ALM-38140, which is a 50MHz to 4 GHz PIN diode attenuator module, is a fully integrated solution that uses Avago's low distortion silicon PIN diodes housed in a miniature 3.8 mm by 3.8 mm by 1.0 mm multiple-chip-on board (MCOB) package with 6-pin configuration pads.

This module is ideal for use wireless infrastructure applications such as CATV, WCDMA, VSAT, WiMAX and cellular base station applications.

Designed with broadband input and output match, Avago's ALM-38140 does not require any external RF matching component to operate. Additionally, narrow band performance enhancement can be easily achieved by applying a single external inductor. The ALM-38140 also features high power handling capabilities ( $P_{1dB} > 30\text{dBm}$  @ 1,900 MHz), great linearity performance (IIP3: 60 dBm @ 1,900 MHz) and superior dynamic range (35 dB @ 1,900 MHz). With broadband coverage, this miniature variable attenuator module is ideal for use in automatic gain control (AGC) and temperature compensation circuitry applications which operate within the 50 – 4,000 MHz frequency range.



Samples and production quantities are available now through your local **BFI OPTILAS Sales Office**.

#### About BFI OPTILAS

BFI OPTILAS is a pan-European technical distributor of specialist products and services, including design-engineering support, to the electronics and Photonics markets. BFI OPTILAS focuses on niche technology products such as magnetic, lasers, sensors, connectors, electro-optics, imaging, fiber optics, RF & microwave and other specialty components, systems, assemblies and metals. Some 290 sales engineers and other staff are employed at 12 offices throughout Europe.

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