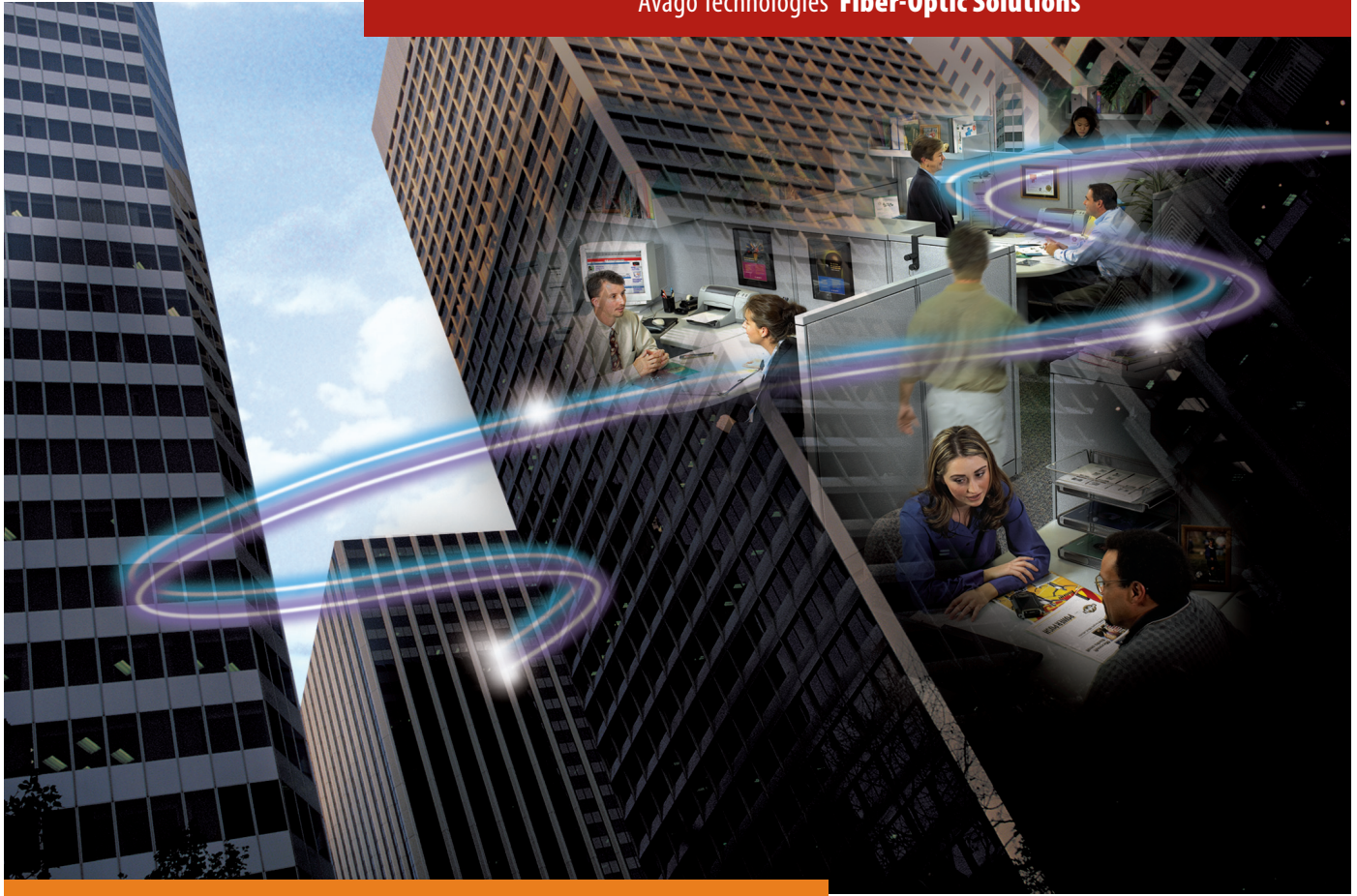




RoHS-Compliant, Lead-Free, Fiber-Optic Products

Avago Advantages

- Wide range of RoHS-compliant products by Feb 06
- Significantly ahead of the July 1, 2006 statutory RoHS requirement
- No issues with backwards compatibility
- No price premium for new RoHS products
- BEST PRICES on RoHS devices

The elimination of hazardous materials from products is a global initiative, with each region or country imposing its own legislation to eliminate harmful substances from the environment. One such directive, Restriction on Hazardous Substance (RoHS), was enacted by the European Union (EU). It calls for a ban on the use of six hazardous materials, including Lead - a material that has long been identified as a harmful substance in the environment and that is found in many of the industry's optical transceivers, by July 1, 2006. Customers across all market segments must now begin the qualification process of transceivers compliant to the directive in 2005 and 2006. In answer to this call for a Lead-free environment, Avago Technologies has created a broad portfolio of RoHS-compliant optical products - well ahead of the compliance deadline set by the EU.

Avago's RoHS-compliant optical products span the company's fiber optic portfolio - from industrial feedback sensors and motor controllers, to LED signals and displays. Use of new non-Lead-based processes and materials make these products fully compliant with the requirements of the RoHS directive. Rigorous testing procedures ensure their performance integrity; regardless of the materials and processes employed.

Avago is working to convert its fiber optic portfolio to RoHS-compliant solutions in phases; eliminating the use of lead. By doing so, it is demonstrating its ongoing commitment to make all products more environmentally friendly, without compromising performance, reliability or assurance of supply.



Key Features Of Avago Lead-Free Conversion

- Careful material selection
 - Leverages existing knowledge base about electrical, thermal & mechanical properties of lead-free solder
 - Careful selection of plating material to prevent tin whiskers
- Conducts full qualification tests on all RoHS-compliant parts to ensure reliability of solder joints, cracks, long-term electrical continuity, and functionality
 - Full chemical composition analysis conducted at external lab. Each piece part dissected to determine Lead content
 - RoHS compliance certification report made available to customers
- Safe manufacturing processes
 - Provides "component-safe" handling recommendations based on properties of new materials
- Efficient part numbering scheme
 - Avago's RoHS-compliant products have a "Z" suffix, i.e. HFBR-5903 becomes AFBR-5903Z and HFCT-5911ATL becomes HFCT-5911ATLZ
- Existing "Leaded" platforms obsoleted as per the normal obsolescence process
 - Obsolescence of existing products published as it occurs

RoHS-compliant

Guarantees elimination of harmful materials from products, including Lead

Support for both non-RoHS and RoHS-compliant parts during transition

Provides sufficient time for customers to qualify and transition to RoHS-compliant parts

Full qualification testing

Ensures reliability of RoHS-compliant parts

Broad RoHS-compliant product line

Enables customers to release RoHS in a timely fashion

To find out more, please visit

www.avagotech.com/quality/pbfree