

broadband

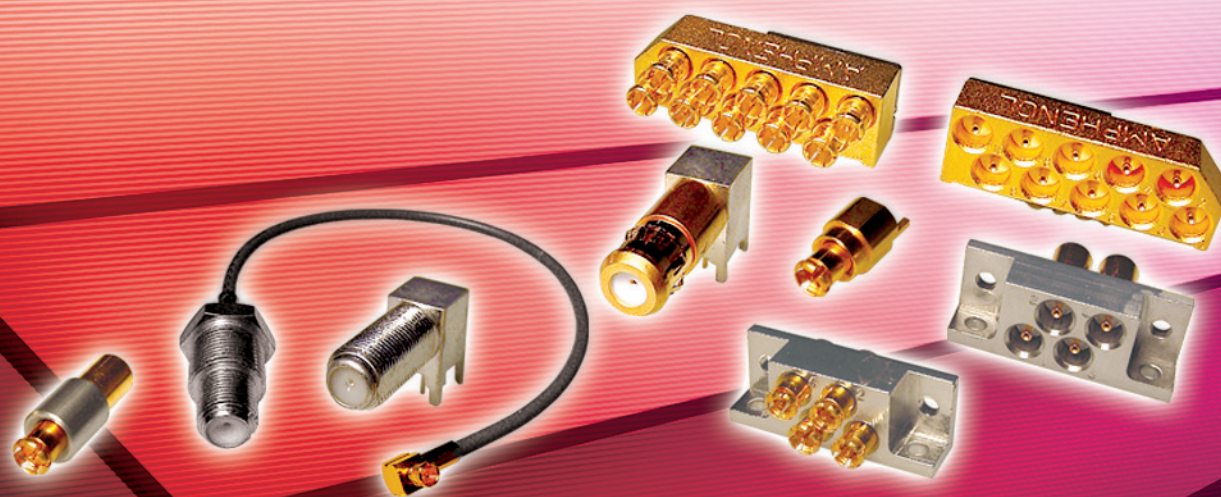
RF SOLUTIONS

AFI
Type F
Type G
MCX

SMB
Mini 75 Ω SMB
Gang Mate Solutions
Cable Assemblies

APPLICATIONS

Cable Modem Termination Systems (CMTS)
Transmission Equipment
Set-top Boxes
Television Sets



Amphenol[®] RF

Global RF Solutions for the Broadband Market



Broadband

The worldwide broadband services market is poised for tremendous growth over the next five years. Cable operators today are transforming from entertainment companies into complete communication providers, since they are well suited to deliver high-speed Internet access and other Internet Protocol (IP) services to businesses and consumers. The demand for broadband connectivity in the home, for data and video transmission, has grown exponentially. It is estimated that 35 million homes will use digital set-top boxes by the end of 2006.

At the back-end of this market are the hubs/HFC networks connecting the subscriber's premises to the headend/backbone infrastructure. The majority of the equipment in the Broadband market is found within this headend which brings external services – satellite video, off-the-air video, Internet data, and voice – into the cable operator's access network.

Amphenol RF answers the call for this growing demand with a range of connector products designed for the broadband market including the Type F, Type G and Gang Mate (AFI) (These are multiple RF interconnects). Type F and G 75 Ohm connectors feature screw on or snap-on coupling, ideal for CATV applications, and are engineered to handling up to 15 amps specifically for set-top box applications. The Gang Mate (AFI) connector interface utilizes a proprietary configuration that allows for industry leading "float" to compensate for the axial and radial misalignment due to packaging tolerances. This industry-leading float results in a maximum misalignment allowed by the system of .030" [0.8 mm] radial and .040" [1.0 mm] axial. The interface is available in both 75 Ohm and 50 Ohm configurations, scaleable quantities, In-line or Dual-row with the added benefit of Lower Integrated Costs. Applications for these connectors include set-top boxes, transmission networks and CMTS (cable modem termination systems).

Technologies Supported:

Set-Top Boxes	Often abbreviated STB, an electronic device that is connected to a communication channel, such as a phone, ISDN or cable television line, and produces output on a conventional television screen.
Broadband	A type of data transmission in which a single medium (wire) can carry several channels at once. Cable TV, for example, uses broadband transmission.
CMTS	Short for cable modem termination system, a system of devices located in the cable head-end that allows cable television operators to offer high-speed Internet access to home computers.

Please visit us online at www.AmphenolRF.com to learn more about our product offering for these markets, or contact your local Amphenol RF sales rep.

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