

Alster News

Times Microwave High Power RF Coaxial Cables & Assemblies

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Times Microwave, manufacturers of low loss, flexible, non-kinking **LMR®** RF transmission line cables that utilize easy-to-install connectors, announced the availability of a High Power RF Coaxial Cables and Assemblies brochure. This brochure highlights 50 ohm flexible cables used in high power applications such as Radar, pulse power, medical (MRI) semi-conductor manufacturing, laser and particle physics.

Times Microwave has over 50 years experience in designing high reliability cables and assemblies for demanding interconnect problems.

Silver Line and Tuff-Grip Test Cables

SilverLine™ Test Cables are cost effective, durable, high-performance cable assemblies designed for use in a broad range of test and interconnect applications. Fabricated from rugged, solid PTFE dielectric cable with stainless steel connectors and a proven strain relief system, these cables provide long life and excellent stability in applications where they are repeatedly flexed and mated/unmated. SilverLine™ test cables are ideal for use in production,



Times Tuff-Grip Test Cable

field and laboratory test environments. They are also economical enough to be used as interconnects in test systems.

Times SilverLine™ Product Guarantee

Times will, at its option, repair or replace your SilverLine™ test cable if the connector attachment fails within four months of shipment. This guarantee excludes cable or connector interface damage from misuse or abuse.

Call your Alster guy today for your Product demo on this fantastic product. Ω

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PCTEL Elevated Feed 700/800/900 Mhz

PCTEL, parent company of Maxrad, provides an elevated feed point antenna, which is engineered for use where a ground plane is not available. The antenna, when trunk mounted, extends above the roofline to eliminate the "shadow effect" caused by the passenger compartment. Available in unity gain (straight rod) and 3 dB gain (open or "quiet" closed coil rod).

These antenna's are a great selection for agencies rebanding from a 800 to 700Mhz system.



Features:

- Excellent choice for trunk or mirror bracket mounting
- Factory tuned for SMR/Cellular and 900 MHz models
- Mates with all 1-1/8"-18 thread mounts, including 3/4" mounts

You can order these antenna's through our PCTEL through your local dealer or distributor. Or just call me today for help in ordering. Ω

Aeroflex 2945B New Feature Set

Aeroflex's "rock solid" 2945B analog communications monitor will now include an additional feature set to its already robust testing capabilities. Software release 5.03 will include:

- **Transmitter Attenuation Hold:** Extends life of attenuator especially in a demanding mfg environment and also provides a significant improvement in measurement speed.
- **Averaging Capabilities for Distortion and SINAD and S/N measurements:** Gives the user the ability to configure the optimal setting based on the characteristics of the signal to be measured. Thus, speeding up testing and improving throughput.

- **Audio and Mod Gen frequency Extensions:** Extends the bottom end of the Audio and Modulation generators to 5hz. Extends top end to 33 hz. This gives added flexibility in opening up RF microphone squelch circuitry that commonly use enabling tone frequencies in the 32 KHz area or for testing low rate transponders.
- **FM/AM and Audio Peak Hold Facility:** This makes certain measurements easier to do and interpret. Example: Aligning Tx limiting circuits or testing peak deviation when using "real modulation" such as speech.
Call your Alster guy today to receive more information on this robust product. Ω



Aeroflex 2945B

NCS provides single PTT solutions

The NCS-C250 is an **under \$1000 interoperability controller** designed especially for mobile installations. These include mobile command posts, incident command vehicles and other emergency response vehicles.

The unit provides a **single point interface** that allows the radio operator to control the transmit audio, receive audio, and the push-to-talk function of up to four radio transceivers. A single microphone or headset can be used to communicate through all radios eliminating the need for multiple microphones.

Separate speaker outputs for **selected and unselected audio** along with individual

volume controls and mute buttons reduce operator fatigue and confusion. Features include a PA function, built-in **crossband repeater/range extender** and flexible muting functions.

The NCS-C240 is a "mini" console that is a well-suited, low cost solution for mobile command posts, small EOCs or any multiple radio communications environment.

Demonstration

Alster Communications has three demo units in our territory. Please call me today so we can set up an appointment. Ω



New Communications Solutions offers a Single PTT for Mobile Command Posts for up to four Radios.

Have you tried Gabriel for your Microwave?

Gabriel, which includes the former *Mark Antennas* products, develops, manufactures and markets point-to-multipoint, point-to-point and spread spectrum antenna systems for the worldwide telecommunications market.

Cellular and PCS providers employ our Point-to-Point antenna systems for backhaul between remote tower sites and switching centers in their global markets. Our antenna systems are also used by Network service

providers and Internet service providers worldwide.

You can purchase Gabriel products from your favorite distributor, including Hutton, Talley and TESCO. You can also purchase these antennas directly from the factory. Your Alster guy will help you select the antenna and source from which you should buy. We would greatly appreciate the opportunity to work with you on your next Microwave project. Ω



General Dynamics Microwave Dishes

Acterna (JDSU) offers VoIP Web training

Acterna, a subsidiary of JDSU, uses the Web to offer free training seminars on their products. These popular Webinars provide a series of presentations to learn more about specific technologies. The next Webinar will be about the emerging VoIP technology.

DURATION: 90 minutes

WHO SHOULD ATTEND: Anyone in the communications field who feels that they need to understand more about this emerging technology.

WHAT WILL BE GAINED:

- An understanding of the basic building blocks of Voice over IP
- Familiarity with the variety of VoIP architectures that exist
- An understanding of the network impairments that impact VoIP
- A brief introduction to Acterna tools that address VoIP.

Link up with Acterna at www.jdsu.com/testandmeasurement/ to sign-up for the VoIP webinar or other valuable technology training.

Please contact me for additional information from POTS to Gig Ethernet testing. We have what you need. Ω



The DA-3400 Data Network Analyzer incorporates intuitive, real-time expert analysis to identify the root cause of network and customer applications problems on 10/100./1000 Ethernet, WAN, ATM, Mobile, and VOIP Networks

Wave 1 Rebanding??? Let TXRX Help

The new TXRX Duplexer 28-83E-01A covers both the 700 and 800 MHz bands, providing seamless transition and unique flexibility to LMR users in either frequency bands.

To transition from operations in one frequency band to the other, only the interconnecting cables need to be replaced, allowing multiple use of the equipment and enabling the user to reconfigure the system in the field.

Like other Vari-Notch® (the trademark for BTG's pseudo bandpass circuit design) filters, this duplexer offers the best cost-to-performance ratio in its class and is unsurpassed for close-spaced duplexing, combining the low loss and close frequency spacing

advantages of notch filters with the broad isolation and selective pass characteristics of bandpass filters. The small geometry and efficiency of this circuit design has also resulted in a variety of space efficient mountings.

- 3/16" end cap, not pop rivets End cap heliarced to the top of the cavity
- Hardened Aluminum Construction
- Silver Plating Brass tuning probes and hardened copper contact fingers are silver plated to avoid erratic tuning, high loss, and degraded sensitivity
- Alodine Coating Passivates cavity surface, inside and out

Contact me today for information. Ω



TXRX's New 700 and 800 Mhz Duplexer

Trident Microsystems Digital Trunking Network

Trident Micro Systems

offers a digital trunking network infrastructure that grows with your needs.

The NTS is a fully scalable network solution that is easily expanded with plug-in application cards and stackable chassis'. And NTS is ready to grow with your digital radio migration requirements as well.

The NTS features a Central Processing Master Controller Card, CyberTune interface application for Windows, Dual System Clocks

and Hot Swappable Application Cards. NTS supports Conventional operation, LTR and the advanced PassPort trunking protocol.

Alster - New Rep

Alster Communications was recently selected as the new representative for Trident Microsystems. Please give me a call today and let me know how I can help you with add ons to your existing system or provide you with information on Tridents current offerings. Ω



Trident Microsystems Passport /LTR Solutions

Never to early to Plan for ACES

Thank you to the hundreds of customers who plan every year to attend our ACES show. The following will provide some information to those of you that are not familiar with ACES.

ACES (Alster Communications Electronics Showcase), is a technical seminar and exhibition showcase open to all of our existing and potential customers at no charge.

In our Seminar rooms our Factories present technical based topics on equipment, technology and methods of use. This is a great time to ask those questions that have troubled you to our Factory experts.

On the show floor all of our Factories have table top exhibits for hands- exploration. Each factory representative is at the table to assist you with your questions and ensure you are up to date with their product line.

Last but not least, it is a great time to meet

up with those peers you haven't seen throughout the year.

Check list of why you should attend ACES:

- Technical Training
- Hand-on use of Equipment
- Interact with Peers in you Trade
- Free Lunch and Snacks
- It is in your Backyard!

ACES 2006

Please mark you calendars for **October 2, 4 and 5** when we will hold our traveling Alster Show in **Boise** on Monday, October 2; **Helena** on Wednesday, October 4 and **Spokane** on Thursday, October 5.

The Helena ACES will coincide with the Montana APCO Chapter Conference. Ω



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