

# Prime Connection

2Q 2019

**PRIMUS**



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EM-M10001-LS "No Spring" Series

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Small cell-ready RF assembly for a future-  
focused network

P7 / ALLCOM  
A good idea just got better!

# PRIMUS *The Difference in Wireless Distribution*

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7 am - 6 pm

**Pickup Hours** Monday - Friday  
7 am - 8 pm

Connect with us  


Proudly serving our customers since 1980.  
Privately held and proud of it.  
President – Michael A. Johnson



## Trade Shows & Training

### 2019 TRADE SHOWS

NATE: February 5-6 in Grapevine, TX  
Michigan Interop: February 19th in Traverse City, MI  
IWCE: March 4-8 in Las Vegas, NV  
Entelec: April 23-25 in Houston, TX  
APCO: August 11-14 in Baltimore, MD  
RSSI: September 21-24 in Minneapolis, MN

### TRAINING

Anritsu SiteMaster™ Certified Line Sweep Training 2-Day Course, \$1,395 pp  
Anritsu PIM Master™ Certified PIM Training 1-Day Course, \$1,295 pp  
CITCA Authorized Climber  
CITCA Tower Rescue & Competent Climber  
CITCA Train-the-Trainer  
CommScope, ComStar, ODM Fiber, EXFO, Harger, Bird Technologies, JMA, and Kaelus Trainings available upon request.  
Visit [primuselectronics.com](http://primuselectronics.com) or contact Training with Primus at (800) 435-1636 or [training@primuselectronics.com](mailto:training@primuselectronics.com) for more information and registration.

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# DID YOU MISS IT???

## The Primus reveal of the 2019 t-shirt Design at NATE!

NATE was a huge success this year. With this being my first time at the NATE conference, I was unaware of what to expect, and wow it was amazing. The initial rush that we had to our table was like nothing that I have seen before. New customers, and customers that come every year, were all saying the same thing, "Primus has the best giveaways and t-shirts". For my first time being there it was great to see customers that I have been working with for the past 5+ years and meeting new customers as well. I look forward to next year already!! This year there were around 2000+ individuals that registered for NATE, which was record breaking.

Contributed by - Matt Dodge

I think the record numbers of attendees and the strong desire of attendees to talk to our representatives on hand points to what looks to be a strong build schedule for the carriers and other operators this year. It's very exciting, and we love working with our customers in helping with their typical daily consumable material needs, as well as more sophisticated long-term project requirements to keep everything rolling smoothly. With 5G on the horizon, there's a lot to look forward to!

Contributed by - Rob Menees



If you missed picking up your 2019 shirt at NATE use our Contact us page to request one at <http://primuselectronics.com/ContactUs.html> or call Primus and request the marketing department at 800-435-1636.



# Westell

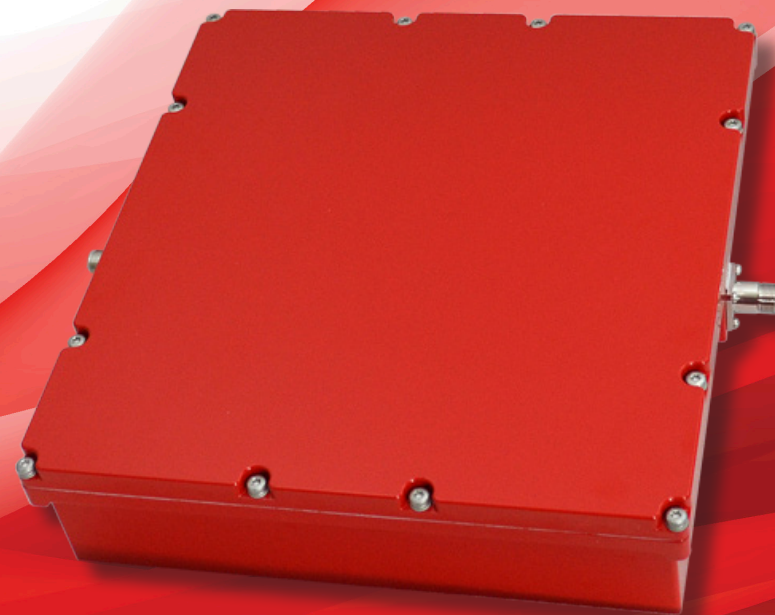
## Band 14/FirstNet™ Notch Filter

### Westell Introduces Band 14/FirstNet™ Notch Filter

With the deployment of thousands of band 14 (700Mhz FirstNet) radios on AT&T towers, there is the possibility that BDAs operating on the 700Mhz public safety band may be receiving interference from these AT&T towers, and in reverse, these BDAs may be causing interference to AT&T's towers. Westell has recently introduced our FirstNet Notch filter. This filter passes the 700 and 800Mhz narrowband public safety channels and provides 30dB of rejection on the band 14 FirstNet frequencies. Simply install the filter in the donor line and rest assured that this will solve interference both received from and sent to FirstNet towers. In stock now at Westell for immediate delivery.

Please contact Primus at 800-435-1636 or [support@primuselectronics.com](mailto:support@primuselectronics.com) for more information.

- Contributed by Sharon McDonald



# E/M WAVE INC

## EM-M10001-LS "No Spring" Series

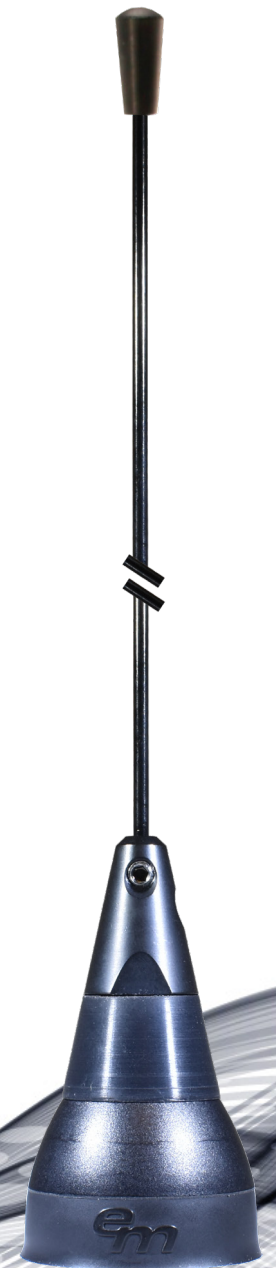
Valley View, Ohio, April, 2019 - E/M Wave Inc., an antenna design, engineering, and manufacturing firm, is pleased to announce the new line of No Spring NMO Mount Antennas, featuring seven (7) models with operating frequency bands ranging from 108 to 520 MHz and 2 to 5 dB gain.

E/M Wave Inc., No Spring Antennas provide a cost-effective solution for mobile or fixed point applications. For stationary base repeaters, SCADA and Telemetry applications, where antenna impact risk is low or non-existent, these no spring models provide highly reliable signal radiation without sacrificing RF performance.

The innovative E/M Wave no spring antenna design integrates a low profile whip adapter, black chrome covert appearance and silicone rubber hand grip, providing for easy, on-off installation, without requiring tools. Simply thread the antenna to the mount with firm hand torque. After hand tightening, the antenna provides IP67 ingress protection with the dual seal NMO base design architecture.

Important Note: For all UHF and VHF mobile/vehicular antenna installations involving extended vehicle height or risk of potential impact, E/M Wave always recommends the use of the EMFLX™ series poly spring antennas to reduce damage from low clearance obstructions and high-speed impact. However, when a poly spring is not required, the LS series antenna will maintain the integrity and performance experienced with all E/M Wave LMR antenna products.

For additional information, please contact a Primus sales representative at 800-435-1636.



# CommScope

## Small cell-ready RF assembly for a future-focused network

**HELIAX® LSF2 assemblies are designed to meet the existing and imminent demands of small cells and upcoming 5G networks.**

### A unique part of CommScope's Metro Cell portfolio

The LSF2 solution pushes what's possible from small cell deployments. As part of CommScope's complete Metro Cell connectivity solutions portfolio, the LSF2 optimizes space while providing higher performance and more flexibility in site deployments.

### Size and performance is no longer a tradeoff

With CommScope's new LSF2 coaxial jumper cable, we've rewritten the standard for size and performance alike in a unique cable assembly that delivers:

#### High performance

· Electrical characteristics meet or exceed your link budget needs

#### Patented design

· Optimized for small cell application and tested up to 6GHz

#### Superflexible and compact

· For easy routing in tight spaces

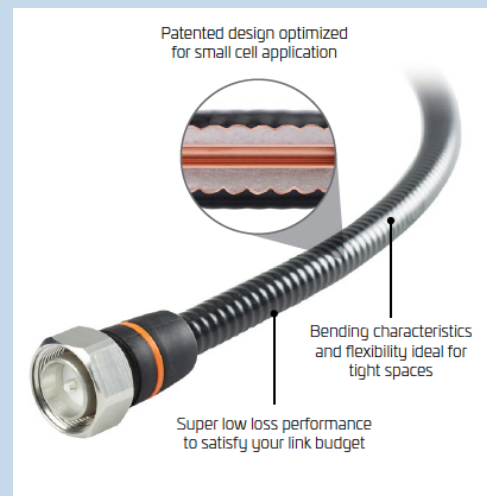
#### Weatherproofing

No special tools required - easy installation.

· Boots slide on and off by one hand, without tools  
Reusable.

#### Attenuation vs Bendability

| Cable series | Size, inches | Loss @ 20ft 3.5GHz | Multiple bend radius, in |
|--------------|--------------|--------------------|--------------------------|
| LDF4-50A     | 1/2"         | 1.005              | 5.00                     |
| FSJ4-50B     | 1/2"         | 1.613              | 1.25                     |
| LSF2-50      | 3/8"         | 1.553              | 1.00                     |
| FSJ2-50      | 3/8"         | 1.758              | 1.00                     |
| FSJ1-50A     | 1/4"         | 2.478              | 1.00                     |



· If re-entry into a connection is needed, boots can be installed and removed dozens of times without compromising sealing performance.

Wide temperature range and UV stable.

· Soft-sided UV-rated silicone

#### Installation versatility

Customizable lengths

Ideal for projects where precise length and minimum sku's are required

· Factory attached and tested connector on one end for fast installation

· Other end open for cutting the jumper to precise length

· D-class field-fit connector for installation flexibility

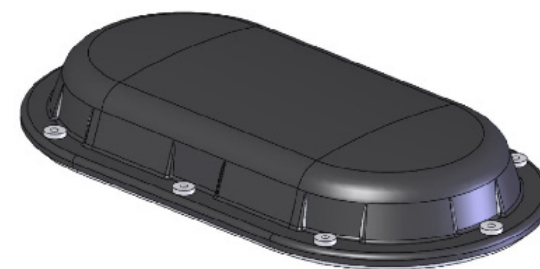
For more information on HELIAX® LSF2 assemblies contact Primus at 800-435-1636 or support@primuselectronics.com.



# RAILROAD

Sinclair offers a new Multi-Band Multi-Port Transport Antenna. The low profile SM201-SWBSNF antenna covers the VHF wideband frequency of 136-174 MHz. A 48"x48" Ground Plane is needed for proper installation.

- Patent-Pending high-performance transit antenna
- Ultra low-profile design minimizes potential downtime
- Complete 136-174 MHz VHF Wide Band coverage
- Rugged design with IP66 rating for harsh environment
- Omni Directional
- Unity Gain



#### Battery Chargers

RediPak, SmartPak, Quantum EOT Battery Pack Chargers

Fully Compatible Cost-Effective Chargers for Wabtec/Pulse, US&S and Quantum 12 Volt SLA Battery Packs.

#### Charger Features

- Battery Polarity Reversal: Protects the charger and battery pack against incorrectly installed batteries. • Over Current Protection: Protects the charger from over-current demand.
- Short Circuit Protection: Protects the charger from short-circuit damage.
- Over Voltage Protection: Protects the battery pack from damage
- RRP-431 ...A single SmartPak, RediPak, Quantum port.
- RRP-432 ...Dual SmartPak, RediPak, Quantum ports.
- RRP-433 ...A single SmartPak, RediPak, Quantum port plus a single NextGen battery port.



#### Next-Gen™ EOT Battery Pack Chargers

Fully Compatible Cost-Effective Chargers for EOT's with 24 VDC input for onboard charging. Quantum/Siemens 3920 Smart Charging only. Wabtec EOT-ATX-NG EOT-ATX-NG3 and NG3T EOT-ATX-G4 Charger Features

- Battery Polarity Reversal: Protects the charger and battery pack against incorrectly installed batteries. • Over Current Protection: Protects the charger from over-current demand.
- Short Circuit Protection: Protects the charger from short-circuit damage.
- Over Voltage Protection: Protects the battery pack from damage
- RRP-441 .....Single port Next-Gen™ Charger.
- RRP-442 .....Dual port Next-Gen™ Charger.
- RRP-444 .....Four port Next-Gen™ Charger.
- RRP-446 .....Six port Next-Gen™ Charger
- RRP-448 .....Eight port Next-Gen™ Charger
- RRP-433 .....A single SmartPak, RediPak, Quantum port plus a single NextGen battery port.

- Contributed by Pat Morgan



For more information please contact Pat Morgan at 800-435-1636 or email support@primuselectronics.com.

# ICT

## Remote Power Distribution Made Easy!

Why travel to your mountain top if you don't have to? Avoid unnecessary site visits by being able to receive alarms, check statuses and affect changes-of-state to connected network devices. ICT offers a complete line of single and dual bus DC distribution panels with Ethernet connectivity for remote monitoring, control and power cycling of DC loads at distant wireless communications sites.

ICT Distribution Panels cover all your power distribution needs in just 1RU of space via 12 fully programable outputs. Enable complete control and monitoring of all your radios, amplifiers, repeaters or other devices from any mobile phone, tablet or laptop with an easy-to-use GUI.

All models in the ICT product family incorporate 12, 24 and +/-48V requirements. Distribution Series 3 can provide redundant operation and the dual bus design allows for mixed voltages and polarities as needed.

ICT distribution panels provide optimal ease of installation and maintenance by delivering 12 outputs and high current ratings with the industry's smallest footprint. Cable management is clean and simple with nothing protruding above or below the front and back of the panel.

Distribution panels are also available in non-IP enabled models for the lowest cost in feature/benefit offerings.

Contact a Primus sales representative at 800-435-1636 or support@primuselectronics.com for more information.

- Contributed by Gerry Fritzke

|                | Monitoring | Control |
|----------------|------------|---------|
| ICT180S-12     |            |         |
| ICT180S-12I    | •          |         |
| ICT180S-12B    | •          |         |
| ICT180S-12IRC  | •          | •       |
| ICT180S-12BRC  | •          | •       |
| ICT180S-12BRCP | •          | •       |
| ICT200DB-12    | •          | •       |
| ICT200DB-12IRC | •          | •       |
| ICT200DF-12    | •          | •       |
| ICT200DF-12IRC | •          | •       |



# ALLCOM

## A good idea just got better!



For decades fleet managers have been installing programmable vehicle device timers to preserve primary battery power and protect vital onboard electronics. Allcom Products has recently introduced a new device in this arena with important new features.

The VT12 Series battery timer is available in three models providing 1, 2 and 3 independently fused circuits and a total of 40 amps capacity. Circuit fuses are housed within the unit so no external fuse block is required. The fuses illuminate for easy confirmation of operation or failure.

This unit provides all the standard modes of operation for ignition sensing and the logo glows when the unit is operational. Timer is programmable from 15 minutes to 15 hours with automatic shutoff set for 10.5V to maintain the capability for the vehicle to start. The VT12 includes reverse polarity protection against crossed-up jump start and also smooths power surges and fluctuation to all attached electronics.

The unit can be mounted anywhere in the vehicle as the VT12 is fully epoxy sealed and IP65 rated. VT12 has been tested to 100,000 on/off cycles and requires no external solenoids. Dimensions are 2.125" wide x 4" long by 1.25" high. This device is covered by a 2-year warranty.

For More information about the VT12 Series, contact Primus at 800-435-1636 or support@primuselectronics.com.

- Contributed by Gerry Fritzke

## Michigan Statewide Interoperable Communications Training Conference



We would like to thank the Michigan Statewide Interoperable Communications Training Conference Planning Committee for letting us attend and have a table showing some of the products we sell at this year's training conference.

The event had a great turn out and is put together to build and strengthen interoperable communications in the state of Michigan which is the backbone of their public safety efforts with their goal of improving communications, interoperability and information sharing among public safety agencies across the state and bordering Michigan.

Over the period of four days at the Great Wolf Lodge in snowy and cold Traverse City many speakers and

presenters spoke and informed the crowd on various aspects from FirstNet Integration to Homeland Security issues and Amateur Radio Operator support and much more. The crowd was very diverse with many top-level Public Safety personal and managers to the backbone of the many Amateur Radio Operators in attendance.

We hope to attend the conference again next year and the event will be held again in Traverse City, Feb. 18-21, 2020 and for more information you can contact the state of Michigan at [DTMB-MI-InterOpConf@Michigan.gov](mailto:DTMB-MI-InterOpConf@Michigan.gov).

Diane Mueller and I would also like to thank anyone we spoke with at the conference and if we can be of any assistance on anything moving forward we can be reached at [diane@primuselectronics.com](mailto:diane@primuselectronics.com) and [dougmelander@primuselectronics.com](mailto:dougmelander@primuselectronics.com).

- Contributed by Doug Melander

## IWCE 2019



Once again, IWCE was a success. For many years this show has provided a central meeting place for customers and suppliers to meet face to face to discuss the future of our industry, showcase new products and solutions and build connections. IWCE 2019 was held again in Las Vegas Nevada on March 6th & 7th with a large attendance as always. We hope many of you had a chance to stop by our booth to meet up with the Primus representatives and took part in our raffle of the 30-piece adaptor kit provided by our partner, RF Industries. The Primus representatives at the show this year were Matt Dodge, Gerry Fritzke, Diane Mueller and Rob Menees.

It is always great seeing current customers, establishing new customers and sharing stories, solutions and laughs. This is always a great opportunity to share new products that our vendors are releasing and answer any questions our customer might have. As, always, Primus wants to Thank you our customers for their business and look forward to helping you with any future communication needs. Without you we would not be here, and we appreciate your support. If you would like to receive information or have questions on any of the products we carry, feel free to call us at 800-435-1636.

- Contributed by Diane Mueller

# MUSIC MOVEMENT

## EVENT

For the second straight year, Primus has sponsored and participated in this fantastic industry event supporting the charitable efforts of Music Movement. The Music Movement Charitable Organization has done nothing less than a fantastic job enriching and supporting the lives of families and children with Autism. Music Movement is a 501(c) 3 non-profit organization that develops and funds music-centric programs, scholarships, and events to improve the lives of young people with Autism and learning differences. "One Heart. One Voice. One Talent at a Time."\* Primus is both honored and humbled to contribute as a Blues sponsor for this year's second annual Music Movement East Coast event in conjunction with the CWA (Carolina Wireless Association) supporting the great causes of Stacie Wolf and Bill D'Agostino Jr., along with the rest of the organization and board.

The donations of musical instruments alongside community involvement and support allows for this nonprofit organization to make real change from coast to coast, year after year! Music Movement facilitates venues and events ranging from Southern California to South Carolina, making real changes that are truly affecting the lives of real people battling Autism and doing it with a smile! Music as a medium allows for expression and freedom, this message has a direct correlation to the core values of Music Movement as they celebrate the differences in the young people they support and provide opportunities for each individual to grow and learn. Music Movement is honest, accountable, and follows through offering long term solutions and change via the sound of music.

Primus supports charitable efforts close to our community and our hearts. However, this event held in the State of South Carolina for the second straight year has certainly caught our attention as an organization. Music Movement is committed to improving the lives of children and families with Autism via the sound of music! The wireless telecommunications space as an industry contributes heavily to charitable organizations throughout the country. Primus is committed to supporting charitable efforts of honorable organizations like Music Movement. Primus values the opportunity to make change in a younger person's life and more importantly we hope to have the opportunity to enrich the lives of many as we continue to support the Music Movement!

- Contributed by Ryan Cuitino



# PRIMUS

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