

CONNECTING



PROTECTING

CONNECTING AND PROTECTING  
MISSION-CRITICAL EQUIPMENT

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**INFINITO**<sup>®</sup>  
ELECTRONICS, INC.



## TRUSTED BRANDS. RESPONSIVE SUPPORT. RELIABLE PERFORMANCE.

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Infinite Electronics is a leading global supplier of electronic components, serving engineers' urgent needs through a family of highly recognized and trusted brands. We know that our customers work under urgent deadlines. Mission-critical projects, R&D, prototyping and testing can't wait. Meeting the urgent requirements of engineers drives our efforts. Same-day shipping, broad inventory selection, 24/7 service...it's all part of our DNA.

### OUR PORTFOLIO OF BRANDS

Many of our brands include a broad range of products that address military avionics, aerospace, industrial and government agencies, with most products in-stock and available for same-day shipping. We focus on a complete system approach to protect and connect your communications network and equipment.

A variety of our product offering is derived from decades of experience, patented technology, and expertise in threat assessment, EMP mitigation, lightning protection, communications connectivity as well as customized solutions- to ensure reliability safety, and consistent uptime when it matters most.

Many of our brands engineer solutions to key military standards and play an active role in determining global standards for sure protection, enclosures, and other network hardware and components. When you choose an Infinite Electronics brand, you gain products specified for rugged performance and long-term reliability.





# MANY OF OUR PRODUCTS MEET RIGOROUS MILITARY AND GOVERNMENT STANDARDS



## WE CAN SUPPORT THESE STANDARDS:

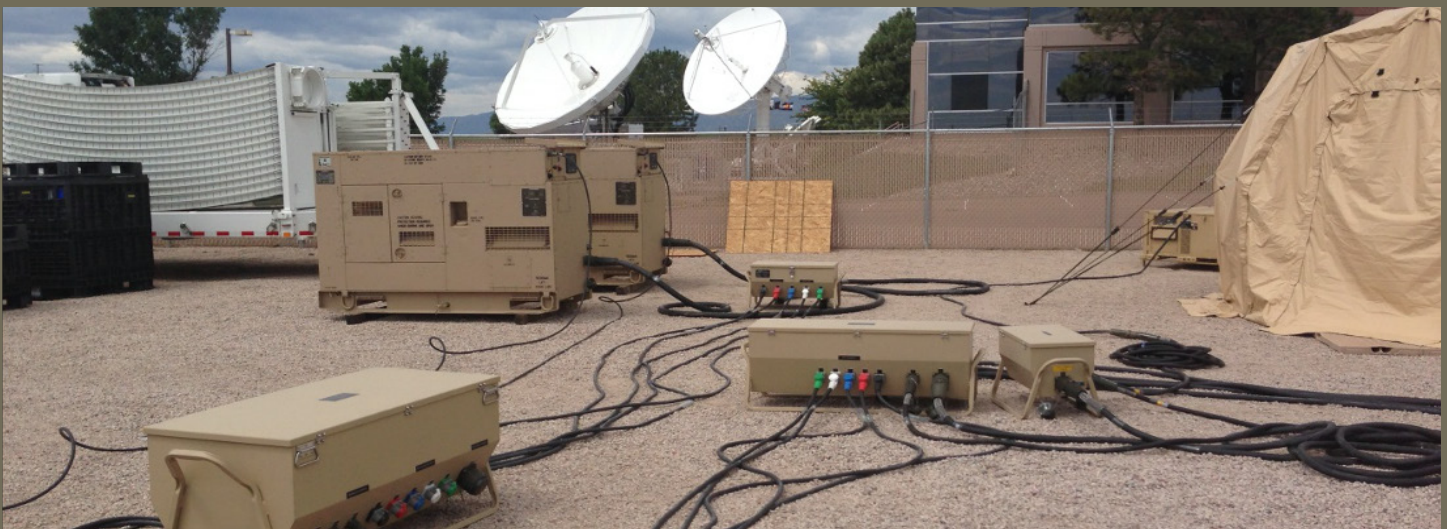
- MIL-STD-188-125-1
- MIL-STD-188-125-2
- Dept of Homeland Security
- MIL-STD-3023
- RTCA DO-160F
- MIL-STD-1275
- MIL-STD-461
- MIL-STD-464
- MIL-DTL-17 RF
- MIL-1533B
- MIL-STD-810F
- HEMP Hardening for Fixed C4I Facilities
- HEMP Hardening for Transportable C4I Facilities
- EMP Protection for Critical Infrastructure and Equipment
- EMP Hardening for Aircraft
- Aircraft EMI and Surge EMC Requirements for Airborne Equipment
- Vehicle Standard for DC
- EMI and EMC Requirements for Equipment and Subsystems
- EMI and EMC Requirements for Systems
- High Reliability RF Cable Assemblies
- Communication Protocol
- Shock and Vibe Environmental Conditions

## PRODUCTS:

- Surge Protection – AC, DC, Data and RF
- EMP/EMI – AC, DC, Data and RF
- Ruggedized
  - Cables – AC and Signal
  - Power – Generation and Distribution
- Bus Coupler
- Ethernet, Fiber and USB
- Connectors
- Antennas
- Connectors and Cable

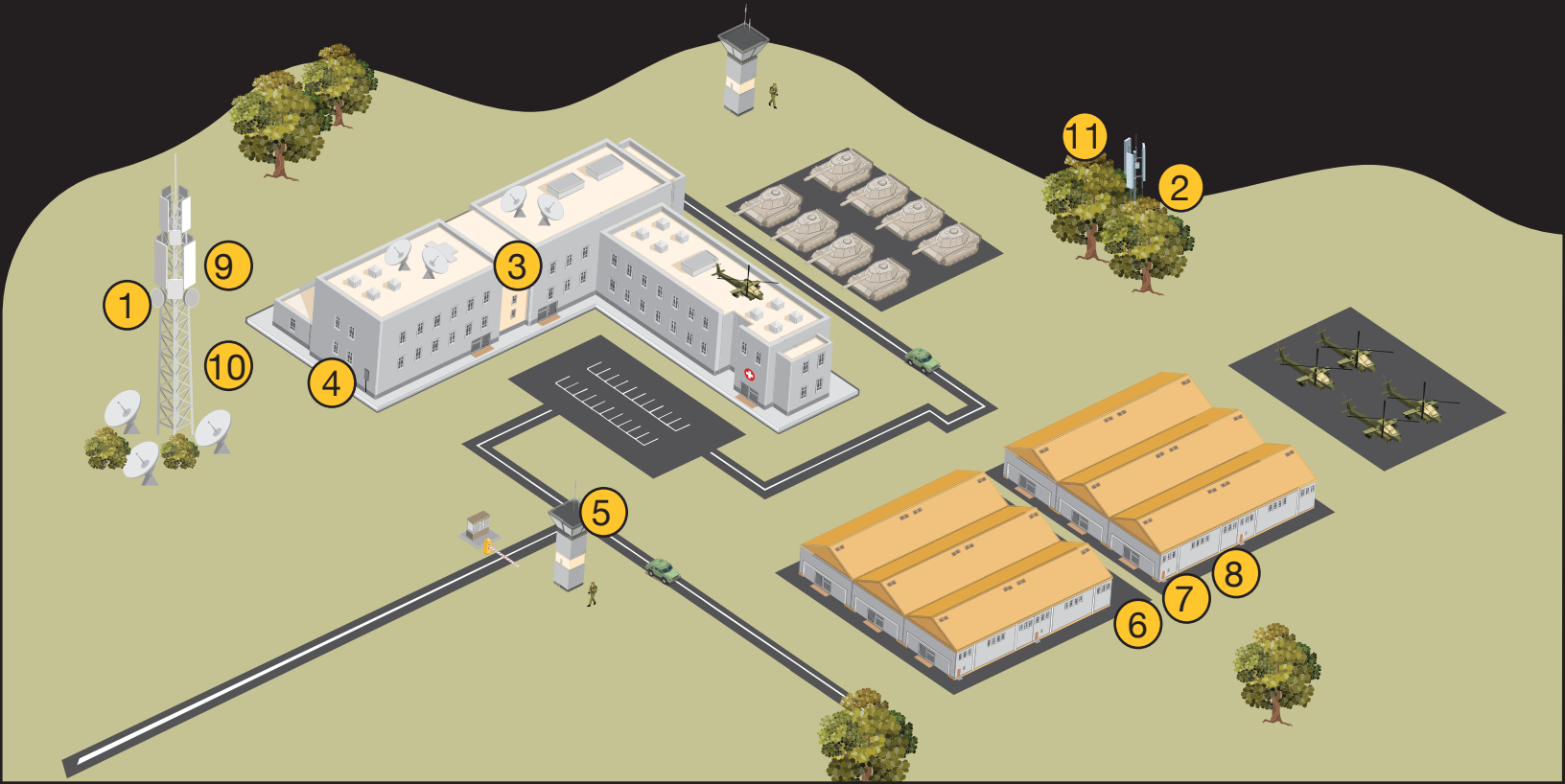
## SERVICES:

- Custom HEMP/EMP Transient Protection Modules, ITAR Certified Design Location
- Custom Ruggedized Power Systems and Cables, ITAR Certified Design



# FACILITIES

Certain Infinite brands offer military grade off-the-shelf (COTS) products across a full spectrum of applications, and decades of proven expertise in helping engineers protect critical electronics on Base and Post. Our brands are known for industry leadership and surge protection innovation, and offer a comprehensive range of hardened solutions, optimized for EMP/EMI threats in mission-critical applications.



1	<b>PolyPhaser RF Protection – DGXZ</b> DC Pass Arrestor Engineered for 800 MHz to 2500 MHz	
2	<b>Transtector DC Protection – DC Defender</b> Superior SASD surge technology for 48 Vdc Outdoor Applications	
3	<b>Transtector Data Line – CPX Series</b> Modular, Ethernet and GbE Surge Protector Scalable to 16 Ports	
4	<b>Transtector EMP-HEMP Tested</b> AC Surge Protector SPD APEX IMAX Panel 120, 240 Vac Split-Phase SASD, MOV 160 kA, UL 1449 4th Ed.	
5	<b>L-com TRD824HFO-BLK</b> Outdoor Industrial High Flex PoE+ Specialty Cable	
6	<b>L-com TRG8RG5</b> Metal Ruggedized High Flex Ethernet Cables for Facilities Setup	

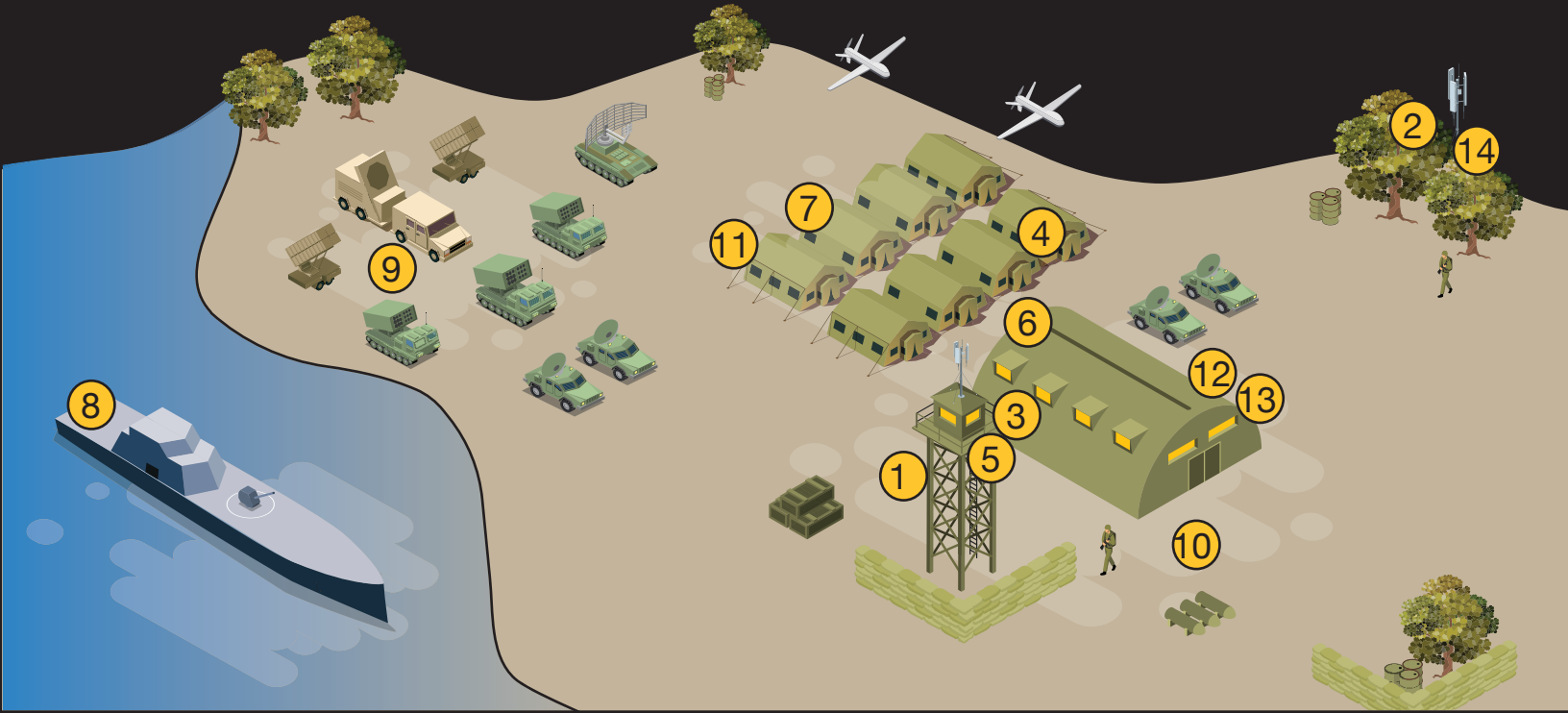
7	<b>Aiconics M81969/14-02</b> Insertion Removal Tool	
8	<b>Aiconics M39029/58-365 - Pin Contact</b> <b>M22520/2-02 - Positioner</b>	
9	<b>RadioWaves SPD3 Antenna</b> Standard Performance Parabolic Reflector Antenna, Dual-Polarized	
10	<b>RadioWaves HPD3 Antenna</b> High Performance Parabolic Reflector Antenna, Dual-Polarized	
11	<b>RadioWaves SEC-4.7D-90-16</b> 90 Degree, 16 dBi Sector Antenna, Dual H & V-Polarized, 4.4-5GHz	








OUR BRANDS OFFER DECADES OF EXPERIENCE AND CUSTOM SOLUTIONS






# MOBILE EQUIPMENT

We understand the integrity our national defense system requires, and the criticality of shielding against surge events and electromagnetic pulse and/or EMP events. As risk factors increase around the globe, protection against EMP/EMI has never been more crucial. Certain Infinite brands are known for expertise in highly specialized EMP/HEMP filter technology, and top defense contractors rely on these brands' design experience and patented technology to meet military standards requirements for EMP-EMI mitigation.

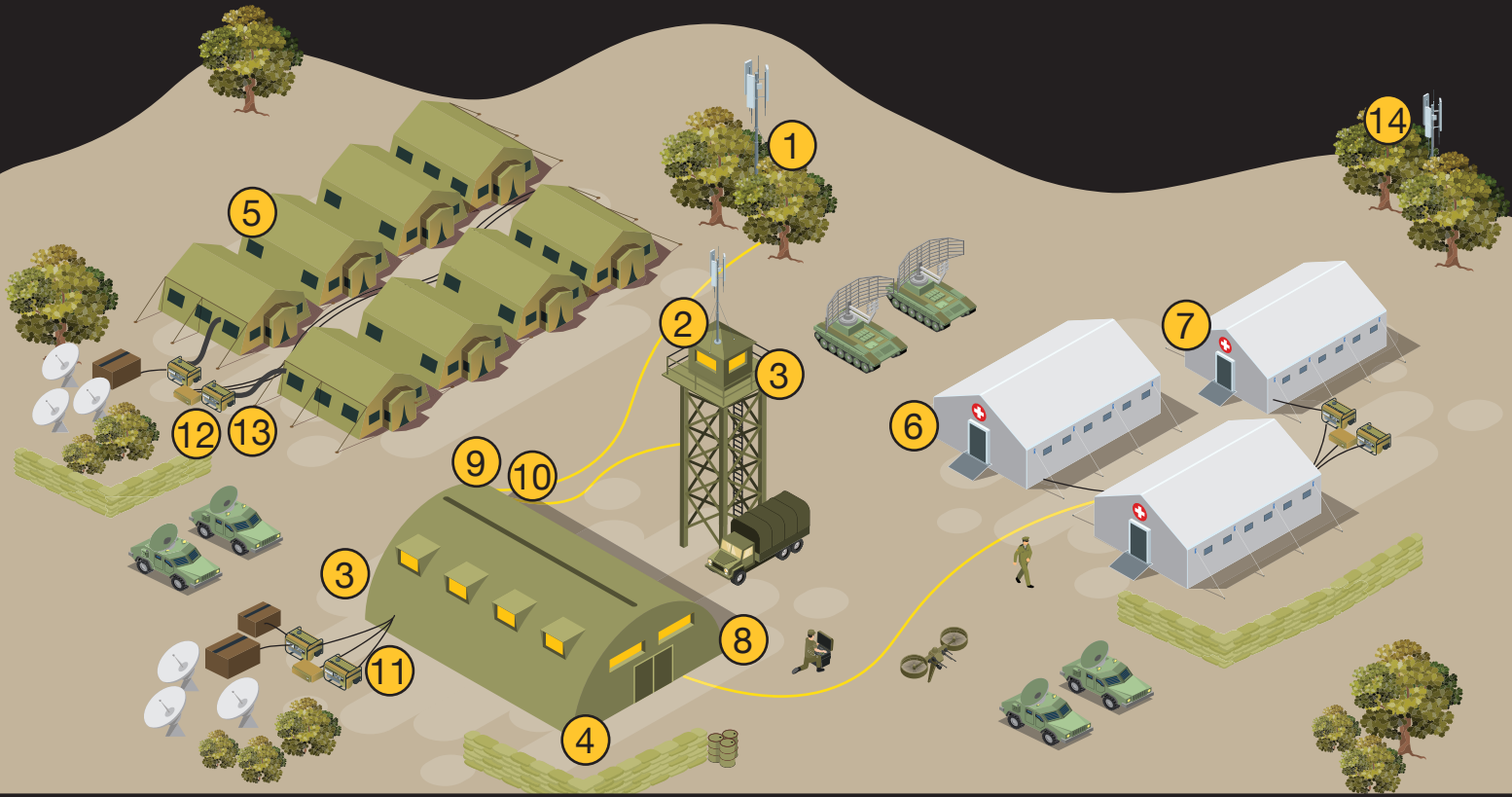






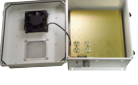


1	<b>PolyPhaser RF Protection – DGXZ</b> DC Pass Arrestor Engineered for 800 MHz to 2500 MHz	
2	<b>PolyPhaser HEMP Tested TSX</b> 7/16 F/F Bulkhead Coaxial RF Surge Protector, 698MHz - 2.7GHz, 1000W, IP67, 100 V Max., 25mJ, 20kA, Filter, Low PIM	
3	<b>Transector DC Protection – DC Defender</b> Superior SASD Surge Technology for 48 Vdc Outdoor Applications	
4	<b>Transector Data line DPR Series</b> Multi-protocol Equipment Protector Offers GT, SASD and Hybrid Technology	
5	<b>Transector HEMP Tested GbE/PoE++</b> Data Surge Protector SPD ALPU Outdoor Gigabit Ethernet/PoE++ Shielded RJ45 SASD	
6	<b>Transector EMP-HEMP Tested APEX IMAX</b> AC Surge Protector SPD Panel 120, 240 Vac Split-Phase SASD, MOV 160 kA, UL 1449 4th Ed.	
7	<b>Transector NEMA Enclosures</b> Configurable Indoor and Outdoor NEMA Enclosures and Accessories	

8	<b>Transector Custom Design</b> EMP 10/100/POE HEMP Protector	
9	<b>Transector Custom Design</b> Outdoor EMP DC Surge Protector	
10	<b>L-com USB228-MFZ</b> IP67 Ruggedized Mighty Mouse USB Assembly for Solider Wearables	
11	<b>L-com TRG677-MFC</b> IP67 Ruggedized Mighty Mouse Ethernet for Bivouac Setup	
12	<b>MilesTek Bus Coupler: 90-50202, Terminator</b>	
13	<b>MilesTek 10-06403-025</b> Cable Assy:CA-2009-72 Connector: 10-06030-206	
14	<b>RadioWaves SEC-4.7D-90-16</b> 90 Degree, 16 dBi Sector Antenna, Dual H & V-Polarized, 4.4-5GHz	

# MOBILE FACILITIES

MIL-STD 188-125 standard assumes the need for absolute critical command and control with no margin for disruption of command chain communications. Certain Infinite brands offer HEMP-tested products, ruggedized power systems and solutions that address the pulse protection requirements of essential applications.



<b>1</b>	<b>PolyPhaser RF Protection – DGXZ</b> DC Pass Arrestor Engineered for 800 MHz to 2500 MHz	
<b>2</b>	<b>PolyPhaser HEMP Tested TSX</b> 7/16 F/F Bulkhead Coaxial RF Surge Protector, 698MHz - 2.7GHz, 1000W, IP67, 100 V Max., 25mJ, 20kA, Filter, Low PIM	
<b>3</b>	<b>Transtector DC Protection – DC Defender</b> Superior SASD Surge Technology for 48 Vdc Outdoor Applications	
<b>4</b>	<b>Transtector HEMP Tested GbE/PoE++</b> Data Surge Protector SPD ALPU Outdoor Gigabit Ethernet/PoE++ Shielded RJ45 SASD	
<b>5</b>	<b>Transtector NEMA Enclosures</b> Configurable Indoor and Outdoor NEMA Enclosures and Accessories	
<b>6</b>	<b>L-com TRD815-CD</b> Expandable/Retractable Industrial Coiled Ethernet Assemblies for Mobile Units	
<b>7</b>	<b>L-com CAU3DCVISAC</b> Die Cast Metal Ruggedized USB 3.0 Cables for Field Equipment	

<b>8</b>	<b>L-com TRD8RGMT5</b> Crush-Proof, Ruggedized Outdoor Ethernet Assemblies for Portable Installations	
<b>9</b>	<b>MilesTek Bus Coupler – 90-50202,</b> Terminator	
<b>10</b>	<b>MilesTek 10-06403-025,</b> Cable Assy: <b>CA-2009-72</b> Connector: <b>10-06030-206</b>	
<b>11</b>	<b>Transtector Generation</b> Generators - 10kW to Multi-Megawatt	
<b>12</b>	<b>Transtector Distribution PDU</b> (Power Distribution Unit) 60A to 800A, 15kW, 25kW, 30kW, 60kW, 1,000kW and 200kW, EPO Emergency Power Shut Off	
<b>13</b>	<b>Transtector Cables</b> 30A to 800A Pin-N-Sleeve, Pigtails, Class L MIL-STD and Cam-Lok	
<b>14</b>	<b>RadioWaves SEC-4.7D-90-16</b> 90 Degree, 16 dBi Sector Antenna, Dual H & V-Polarized, 4.4-5GHz	

# MILITARY GRADE PRODUCT PORTFOLIO

	 <b>L-com</b> an INFINITE brand	 <b>MilesTek</b> an INFINITE brand	 <b>iPolyPhaser</b> an INFINITE brand	 <b>TRANSTECTOR</b> an INFINITE brand	 <b>radiowaves</b> an INFINITE brand	 <b>Aiconics</b> an INFINITE brand
1553B Cables		☑				
Antennas (Parabolics, Sectors, Flat Panels)	☑				☑	
Attenuators	☑					
Cable Assemblies, Couplers & Connectors	☑	☑	☑			
Caps & Sealing Plugs	☑		☑			☑
Combiners	☑					
Consulting & Training				☑		
COTS EMP Surge Protector			☑	☑		
Custom Designed EMP Filters			☑	☑		
Dividers & Distribution	☑					
Filters	☑		☑	☑		
Grounding Kits			☑			
Mixers		☑				
NEMA Enclosures	☑			☑		
Patch Panels	☑	☑				
Pin & Socket Contacts						☑
PoE Injectors, Splitters	☑			☑		
Ruggedized Power Distribution				☑		
Splitters	☑					
Surge Protector (RF, AC/DC, Data)	☑		☑	☑		
Switches	☑	☑				
Terminators		☑				
Test & Measurement	☑					

**NEED A CUSTOM EMP | EMI SOLUTION?**

Contact us: [militarysolutions@infiniteelectronics.com](mailto:militarysolutions@infiniteelectronics.com)





**INFINITE**  
ELECTRONICS, INC.

About Infinite Electronics

Infinite Electronics is a leading global supplier of electronic components serving the urgent needs of engineers through a family of highly recognized and trusted brands. Our portfolio of brands, including Pasternack, Fairview Microwave, L-com, MilesTek, ShowMe Cables, NavePoint, INC Installs, Integra Optics, PolyPhaser, Transtector, KP Performance Antennas, RadioWaves, and Aiconics are technology specialists that provide broad inventories offering engineering-grade products, expert technical support, and same-day shipping.

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