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Tool Time



Technician's Tool Kit



#500-017

Fiber Optics Tool Kit



#500-023

Electrician's Tool Pouch/Kit



#500-032

NOW is a Great Time to Inventory Your Tools

Don't Wait Until an Inexpensive Part Costs You Hundreds!

New Budget? Old Budget? Tax Planning?
(On the Bench – Service Vehicle – Field Techs)

UNIDAPT – For Over 25 Years!



TEN KITS TO CHOOSE FROM!



Classic to Mega PLUS

Customized for You:
Pulstar will create your own mix with the type and quantities that best suit your needs.



FEATURED INSIDE New Products



NEW – Email Response System – Get Full Spec Sheets Fast!

Bookshelf Adaptor Kits

Need One – Take One – Replace One



SEVEN KITS TO CHOOSE FROM!

Professional Grade Crimper Kits



FIVE KITS TO CHOOSE FROM!

For pricing and featured items:
email sales@Pulstar.net Subject: ToolTime

Don't Forget — Cable Prep – Strippers – Cutters – Pliers – Cable Testers



OMNI FIT™ Premium

NEW! Ultra-low PIM premium connectors from RFS feature easy installation and an extreme watertight sealing

RFS delivers a new, innovative line of RF-connectors. Brilliantly designed, the new line of connectors performs excellent under all environmental conditions.

- Save time and money on installation
- High tech polymer replaces brass
- No additional sealing is needed

**Hassle-free Installation
Worry-free Sealing – Lowest PIM**



New Connectors New Pricing New Reasons to Consider



CELLFLEX® Corrugated Cables

**RFS – The Future is Our Tradition –
The best balance of mechanical and electrical characteristics in the industry today**

- Most complete corrugated Copper and Aluminum portfolio
- CELLFLEX Premium Attenuation copper cables – very low return loss
- CELLFLEX Lite aluminum cables – lightest cable solution on the market; incomparably flexible
- CELLFLEX corrugation guarantees superior flexibility
- RFS foam-dielectric coaxial cables – made in the USA
- Full recyclability for CELLFLEX Copper and Aluminum
- OMNI FIT Premium connectors – single solution for both copper & aluminum cables
- 100% common accessories for CELLFLEX Copper and Aluminum cables

LCF12-50J-P7
**New Pricing!
New Choices
Made in U.S.A.**

**For complete specifications & pricing:
email sales@Pulstar.net Subject: RFS**

Our staff is very knowledgeable in helping you compare options.



GPS DM700/2500
3.5"WX4"H
(shown 1/2 size)

LTE Multiband / Active GPS Roof Mount Antenna

Pulse is proud to introduce a new state-of-the-art direct mount multi band antenna. This body mount antenna operates from 698 thru 2700 MHz, including LTE, and is available with or without GPS. The antenna is ideal for voice, mobile data, Public Safety, WLAN and asset tracking applications. The rugged, yet aesthetically pleasing design provides UV and IP-65 protection to ensure a long, reliable, maintenance-free life.

One Hole One Antenna Three Cables

Slotted Nut!



**Contact Pulstar to discuss the models available for your applications
For complete specifications & pricing:
email sales@Pulstar.net Subject: GPS-LTE**

ELECTRICAL SPECIFICATIONS		
Frequency [MHz]	Cable 1	698-960/1710-2170
	Cable 2	2300-2700
	Cable 3	1575.42
Nominal Impedance [Ω]		50
VSWR	698-960/1710-2170	2.0:1
	2400-2485	2.0:1
	1575.42	2.0:1
Gain [dBi]	698-960/1710-2170	3
	2400-2485	6
Polarization	698-960/1710-2170	Linear Vertical
	2400-2485	Linear Vertical
	1575.42	RHCP
Power Rating [W]		10

MECHANICAL SPECIFICATIONS	
Radome Material	UV Stable
Color	Black
Ingress Protection	IP 65
Weight [ozs/g]	15 / 470
Dimensions [in/mm]	3.5 H x Ø4.16 / 88.3 x Ø105.7
Mounting	3/4" hole

Pulstar Contacts

- General sales@pulstar.net
- Pete Magnusen pete@pulstar.net
- Bill Charron bill@pulstar.net
- Jim Field jim@pulstar.net
- Kelsi Krostag kelsi@pulstar.net



GPS-NMO



GPS-NMO-W

GPS-NMO Mobile Mount, Low Profile Active, 28dB GPS Antenna

PCTEL's GPS active NMO mount antenna provides superior performance with the industry's smallest NMO mountable footprint. The GPS-NMO antenna features a custom tuned frequency ceramic patch element, ESD circuit protection, a two stage low noise amplifier and a SAW filter, that provides excellent out-of-band signal rejection performance and consistently clear signal while minimizing loss-of-lock.

The GPS-NMO features an attractive, compact housing environmentally tested for both fixed or mobile applications. Its innovative tab design supports higher reliability and repeatable performance at GPS frequencies than button pin designs can provide. The product is available in black or white housing options to suit a wide variety of installation applications.

Features

- Attractive, low profile design for maximum overhead clearance
- 2.7 to 5 Volt operation
- ESD Protection
- Mates with all 1-1/8"-18 thread NMO mounts, including 3/4" mounts

For complete specifications & pricing:
email sales@Pulstar.net Subject: GPS-NMO



Designed for both Mobile or Fixed applications

NMO compatibility means less inventory

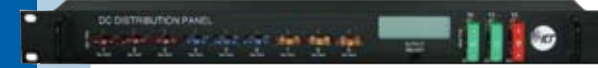
Custom assembly configuration – mount/cable/connector options

On-site Custom Cable assembly, kit processing & delivery options are a great fit for a single special application or wireless design & manufacturing company consideration.

January Special
BUY 5 GET ONE FREE
Mix/Match Colors



STANDARD DISTRIBUTION PANEL



INTELLIGENT DISTRIBUTION PANELS
With Remote I.P. Monitoring and Remote Power Control Models



BROADBAND DISTRIBUTION PANELS
With Remote I.P. Monitoring and Remote Power Control Models

DISTRIBUTION SERIES DC Load Distribution Panels



DC Load Management – The Control is Up to You.

The ICT DISTRIBUTION SERIES fuse-protected DC load distribution panels allow you to connect multiple DC loads to a single power source, thereby providing a flexible, cost effective approach to site DC power design. The 1RU 19-inch rackmount design saves valuable space, and the fuses are mounted on the front for easy replacement. Twelve output circuits allow you to expand your system as your needs grow, without giving up more valuable rack space.

From the Standard model for applications where no remote monitoring or control is required, to Intelligent and Broadband models that are I.P. enabled for remote monitoring and power control, the ICT Distribution Series has a model that will meet your requirements for 12, 24, or negative 48VDC applications.

POWER SPECIFICATIONS	ICT 180-12 Standard	ICT 180-12I Intelligent	ICT 180-12B Broadband	ICT 180-12IRC Intelligent	ICT 180-12BRC Broadband
Application Voltage	12 & 24VDC	12 & 24VDC	-48VDC	12 & 24VDC	-48VDC
Panel Current Rating (Peak)	180A				
Panel Current Rating (Continuous)	150A				
Operating Temperature Range	-20C to +60C				
Number of ATO Fused DC Outputs	9	9	---	9	---
ATO Fuse Rating (Max)	25A ⁽¹⁾⁽²⁾	25A ⁽¹⁾⁽²⁾	---	25A ⁽¹⁾⁽²⁾	---
Number of MAXI Fused Outputs	3	3	---	3	---
MAXI Fuse Ratings (Max)	40A ⁽¹⁾⁽²⁾	40A ⁽¹⁾⁽²⁾	---	40A ⁽¹⁾⁽²⁾	---
Number of GMT Fused Outputs	---	---	12	---	12
GMT Fuse Rating (Max)	---	---	15A ⁽¹⁾⁽³⁾	---	15A ⁽¹⁾⁽³⁾
Operating Voltage Range	10-30VDC	10-30VDC	10-60VDC	10-30VDC	10-60VDC

COMMUNICATIONS & CONTROL	ICT 180-12 Standard	ICT 180-12I Intelligent	ICT 180-12B Broadband	ICT 180-12IRC Intelligent	ICT 180-12BRC Broadband
Remote Alarms	Form C alarm contacts (C/NO/NC)				
LAN Communications	---	TCP/IP, built-in web server and graphical user interface			
Security	---	SSL encryption, password protected			
Remote Status Monitoring	---	System voltage and current, current draw at each output			
Email and SMS Alerts	---	Two individual email or text accounts, adjustable intervals			
Data Logging	---	Up to 30 hours at 1 minute sampling rate, csv file download			
Remote Power Control	---	---	---	Each DC output on/off selectable	
Power-up Delay Sequencing	---	---	---	User selectable 0 to 60 second delay between outputs energizing	
Auto Load Shedding	---	---	---	User selectable low-voltage setting and output selection, manual or auto restart	
Unassisted Power Cycling	---	---	---	Outputs will power cycle with no external command required	

(1) Please follow all recommendations of the fuse manufacturer. Generally fuses and wiring should be continuously operated at no more than 80% of their current rating.
(2) 12/24V models ship with assortment of ATO fuses installed. (3) -48V models ship without GMT fuses.

For complete specifications & pricing: email sales@Pulstar.net Subject: ICT-Dist



Phantom II™ 902-928 MHz IP Radio Modem for License-Free Spectrum

High-Speed Data Connectivity for Industrial and Utility Applications.

The Phantom II delivers secure, wireless connectivity in the license-free 902-928 MHz ISM band utilizing Frequency Hopping Spread Spectrum (FHSS) technology. Operational as a master, remote or repeater in a single unit, Phantom II offers extraordinary data throughput for point-to-point, point-to-multipoint and peer-to-peer networks. Typical uses include SCADA, industrial automation or any other data collection applications.

Featuring two serial ports, one Ethernet port and one USB connection, Phantom II provides connectivity between Ethernet and serial devices. This IP modem not only delivers wireless communications between a base station and multiple remotes, it also functions as a high-speed, transparent bridge between two Ethernet networks.

Phantom II features extensive system capabilities with full VLAN support (for separate management and data networking), user interface through local console, telnet, and web browser, and network management with SNMP V1, V2, and V3. And, assuring the best level of performance for each application, Quality of Service (QoS) is available for IP protocols and ports.

Contact Pete Magnuson at Pulstar for purchase eligibility and technical assistance. For complete specifications & pricing: email pete@Pulstar.net Subject: CALAMP

PHANTOM II SPECIFICATIONS

General	
Frequency Range	902-928 MHz (US & Canada), 915-928 MHz (Australia), 921-929 MHz (New Zealand)
Spread Method	Frequency Hopping / DTS
Error Detection	32-bit CRC, ARQ
Modulation	RCFSK
Encryption	128/256-bit AES/WEP/WPA (US & Canada)
Network Protocols	TCP, UDP, TCP/IP, TFTP, ARP, ICMP, DHCP, HTTP, HTTPS, SSH, SNMP, FTP, DNS, Serial over IP, QoS
Management	Local Serial, Telnet, WebUI, SNMP, FTP Wireless Upgrade, RADIUS, VLAN
Certifications	FCC, IC, CSA Class 1 Div 2

Receiver	
BER @ 1x10-6	-101 dBm @ 345 kbps; -97 dBm @ 1.2 Mbps
Transmitter	
Carrier Output Power	100 mW – 1 W (20-30 dBm)
Electrical	
Tx Current	350-500 mA
Rx Current	110-145 mA
Idle	35 mA
Sleep	< 1 mA
Primary Power	7-30 VDC



Control Versatility at it's Best

- Up to 1.2 Mbps wireless link rate
- Low power consumption
- Master, Remote, Repeater in one unit
- 2 serial ports , 1 USB port, and 1 Ethernet Port
- Supports Point-to-Point, Point-to-Multipoint, Repeater, and Peer-to-Peer
- Full VLAN support
- Supports SNMP V1,V2,V3
- QoS support for both serial and IP traffic
- 100 mW - 1 W adjustable Tx power
- Local and remote firmware upgrading through FTP
- RADIUS server support



Remote Control for your New Kenwood Radios



TSR(K)100A Series

The TSR(K)100a series is a telephone style remote control unit designed for use with Kenwood's 7150/8150, 7180/8180, and TK5710 P25 series mobile radios. The remote has a LCD display for zone and channel identification and an 8 character alpha channel alias. The remote provides zone and channel up and down buttons, PTT indicator, on-hook PTT capability, monitor button and indicator, intercom button, scan button and indicator, privacy feature, and speaker volume control. The remote allows incoming calls to be received through the speaker in the remotes and transferred to the earpiece when the handset is removed from the cradle. Transmissions made from a remote are heard on all parallel remotes. The remote allows intercom capability between parallel remotes. The channel display and indicators on all remotes mirror that of all other TSR remotes on the system. There is no software or cables required to program the TSR/TSP units. This system will operate on any two or 4 wire voice grade circuit (-FD option must be added to termination panel.) The TSR(K)100A-DM is a desk microphone version of the TSR remote and has all of the same features. When connected the TSR/TSP system, the radio becomes dedicated to the operation of the remote system and is not used as a control point.

TSP100(K) Series TSP150K – TSP180K – TSP710K

This termination panel provides the interface between the **TSR(K)100a** remotes and Kenwood radios. Plug-in installation – no cutting, crimping, or soldering involved. The panel is enclosed and connects to the radio's DB25 connector with included cable.



Option	Description
-4W/FD	Full duplex on panel. Remotes are dip switch selectable.
-DE	12 Key DTMF encoder
-UE1	Multi-format encoder
-WM	Wall mount kit for remote.
-BLK	Unit is black in color
-220V	220 volt wall pack transformer



For complete specifications & pricing: email sales@Pulstar.net Subject: CPI



**We understand the options & how they interface –
Desk, Phone, Panels, Options and Colors!
Part Numbers? Technical Help? Expedited Resolutions?**

Pulstar has proudly supported CPI products for over 20 years.