

Product Overview

magnetics • circuit protection • modules • interconnect



MAGNETICS

MagJack® INTEGRATED CONNECTOR MODULES (ICM)

Single Port ICMs

- 10/100T, 1GBT (10/100/100-BT), Power over Ethernet (PoE) and GR1089 surge protection
- LEDs, EMI tabs, through hole, surface mount, low profile packages and vertical mount
- Wide variety of pin out and footprint configurations

1xN Port ICMs

- 10/100BT, 1GBT and PoE
- 1x2 through 1x8 configurations, vertical mount, low profile
- LEDs and EMI tab optional configurations

2xN Port ICMs

- 10/100T, 1GBT and PoE
- 2x1, 2x4, 2x6 and 2x8 configurations
- LEDs and EMI tab optional configurations
- Compressed height version designed for 1U Advanced TCA rack applications

Combo Single Port ICMs

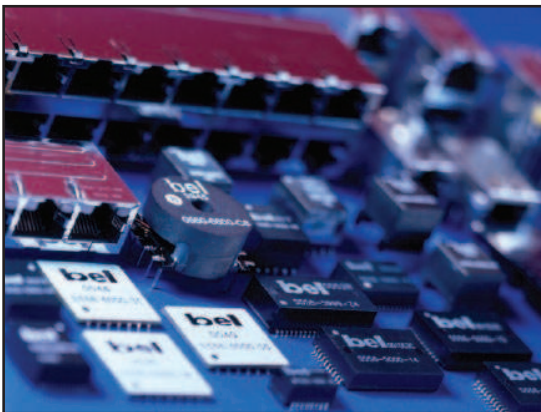
- 10/100BT and 1GBT
- RJ45, LEDs and USB-2A or USB-B connectors
- USB 2.0 compliant



10GBT and PoE Plus designs in development



DISCRETE MAGNETICS FOR NETWORKING & TELECOMMUNICATIONS



10/100BT and 1GBT (10/100/1000BT)

- Single port, dual port and quad port modules
- Designed to support all chipsets
- Standard (0° to 70° C) and extended (-40° to +85° C) temp
- Products designed for AutoMDIX PHY requirements
- 10GBT designs in development

Power over Ethernet (PoE)

- 10/100BT and 1GBT
- Dual packaging
- PoE Plus designs in development

Common Mode Chokes

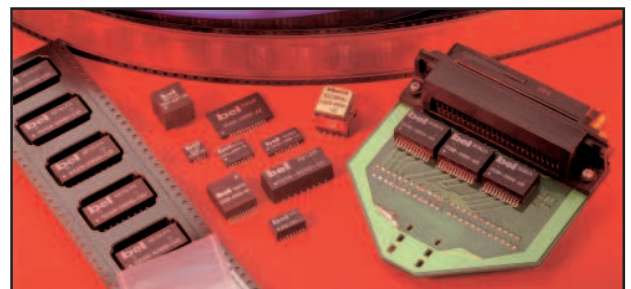
- 2, 4, 6 and 16 lines available
- CMRR from 100 kHz to 500 MHz

T1/E1/J1 Discrete Components

- Duals (single port) and octals (quad port)
- Standard (0° to 70° C) and extended (-40° to +85° C) temp
- Safety agency approved

xDSL Discrete Components

- ADSL, G.SHDSL, SDSL, VDSL and ADSL over ISDN
- CO and CPE products
- Safety agency approved



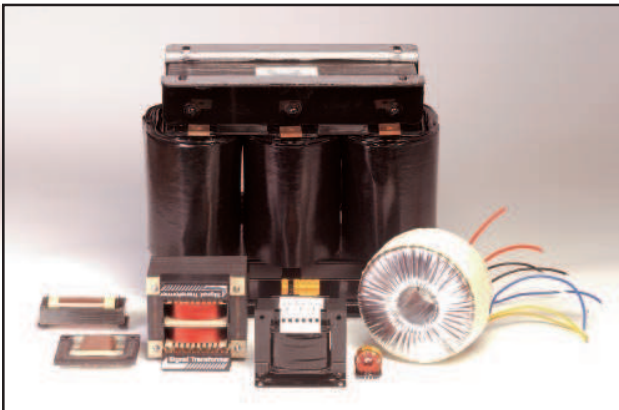
MAGNETICS

STANDARD & CUSTOM POWER TRANSFORMERS

866-239-5777
sales@signaltransformer.com

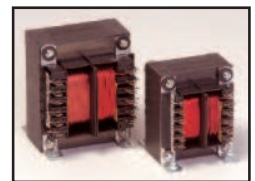
Signal Transformer

www.signaltransformer.com



- Laminated and toroidal power transformers and inductors
- Standard designs from 1.0 VA to 10 KVA
- Custom designs up to 45 KVA
- Extensive agency certifications: UL, CSA, VDE, IEC & EN standards

- General Purpose
- Microprocessor Applications
- Class 2
- Step Down
- Power Isolation
- Chokes
- Custom Designs



CIRCUIT PROTECTION

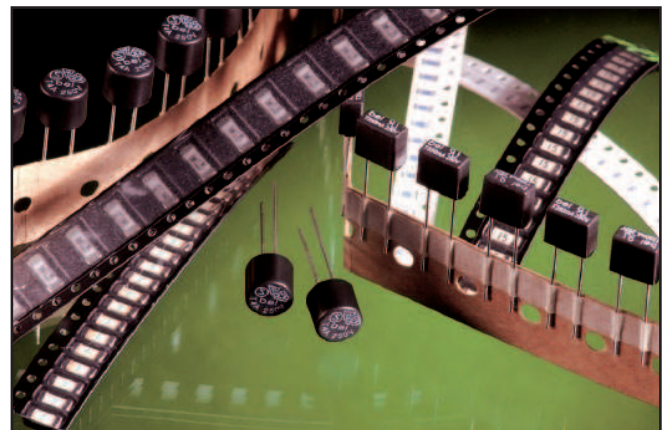
CIRCUIT PROTECTION PRODUCTS

Fuse Products

- Widest range of RoHS 6 compliant designs
- Worldwide approvals - UL, CSA, PSE, CCC, VDE, Semko
- Telecom surge protection - 600V (UL60950, GR1089)
- 0603/1206 fast act chip fuses; 1206 slow blow
- SIP modules for tip and ring applications

Telecom Protection

- RoHS 6 compliant
- SMP & SIP



PTC Resettable Devices

- RoHS 6 compliant
- Radial types up to 240VAC continuous operation
- Radial telecom application to 600VAC
- SMD chip sizes 2920 and 1812
- Unique polymer formulation for superior functional life performance



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INTERCONNECT



MODULAR CONNECTORS

Modular Jacks

- Cat3 through Cat7a performance connectors available
- Unshielded and shielded designs for EMI protection
- Preloaded wire contacts for optimized performance

Single Port Jacks

- 60 Series Cat6 and 6a vertical, horizontal and angle jacks
- 71 Series high performance vertical and angle jacks
- 63, 64, 65 & 70 Series horizontal, right angle and angle jacks

Multi Port Jacks

- 73, 73100 & 73500 Series StackJacks
- 71 Series high performance harmonica jacks
- 66 Series harmonica jacks

Cable Applied Jacks

- 80 Series cable ready jacks
- 82 Series high performance cable ready jacks

Specialized Connectors

- 31, 32, 61, 62 Series Compu-shield® plugs and jacks



Modular Plugs

- Designs for solid and stranded conductors
- Electro-polished contacts for high insertion life
- Multiple keying options available

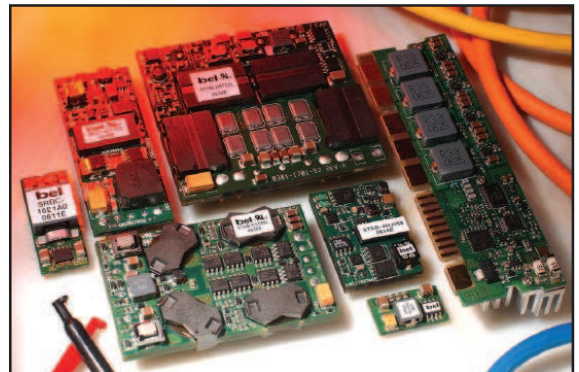
Plug Series

- 30 Series Cat5 unshielded
- 36 Series Cat5 shielded
- 37 Series Cat5e shielded and unshielded
- 39 Series Cat6 shielded and unshielded

MODULES

POWER MODULES

- Broad offering of isolated and non-isolated converters
- Wide variety of industry standard products
- Cost efficient solutions
- High efficiency with good thermal performance
- Programmable output voltage on many products



Isolated Converters

- Industry standard form factors
 - 1" x 2" (up to 7A)
 - 1/16 Brick (up to 25A)
 - 1/8 Brick (up to 40A)
 - 1/4 Brick (up to 60A)
 - 1/2 Brick (up to 80A)
- Single and dual output
- Standard 36 - 75 VDC or ultrawide 18 - 75 VDC input range
- Optional thermal solutions (baseplate and/or heatsink)

Bus Converters

- Industry standard form factors
 - 1/16 Brick (up to 150W)
 - 1/8 Brick (up to 250A)
 - 1/4 Brick (up to 300A)
- 4:1, 5:1 or 6:1 fixed ratios
- Also regulated 5V and 12V output converters

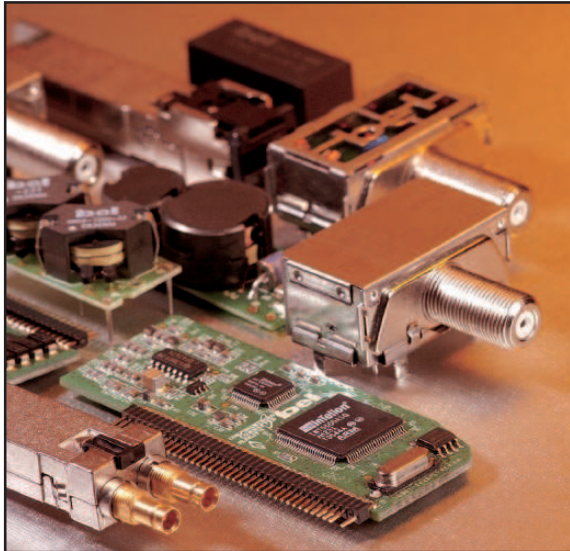
Voltage Regulator Modules

- VRM 8, 9, 10, 11 & Opteron solutions
- Up to 150A of output current

Non-Isolated Point of Load Modules

- Industry standard form factors
- Vertical mount or surface mount
- Boost, buck and inverting converters
- 1A to 150A of output current
- Standard wide or ultrawide input ranges
- Programmable output voltages

MODULES



INTEGRATED BROADBAND MODULES

xDSL Splitters

- CO and CPE products
- ETSI, ANSI and country specific compliance
- Supporting xDSL over ISDN and POTS applications
- Single and multi-port solutions

T1/E1/J1 Modules

- Minimum footprint for maximum line card density
- Single and dual port SIP packages
- Worldwide certification (GR1089, UL60950)
- Through hole or SMD
- Optimized for all major IC manufacturers



Powerline Modules

- HomePlug™ 1.0 embedded modules based on Intellon's INT5200 chipset
- HomePlug™ embedded modules based on Intellon's INT5500 turbo chipset
- Designed and optimized for excellent performance
- Isolating couplers also available
- AV solutions in development

HomePlug is a registered trademark of the HomePlug Powerline Alliance, Inc.
Intellon is a registered trademark of Intellon Corporation.

RF Diplexer Modules For Cable Modem & Set Top Box

- Integrated F connector
- DOCSIS 1.0/1.1/2.0 and EuroDOCSIS compliance
- Integrated surge protection
- UL60950-1 compliance
- Support MoCA (Multimedia over Coax Alliance) diplexer and triplexer standards

SFP (Small Form Pluggable) Modules

- MSA compliance
- STM1e copper SFP
- Fast Ethernet copper SFP

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