

Product Overview

magnetics • circuit protection • modules • interconnect



MAGNETICS

MagJack®

CONNECTORS WITH INTEGRATED MAGNETICS

Single Port Modules

- 10/100/1000Base-T, Power over Ethernet 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 Modules

- 10/100/1000Base-T and Power over Ethernet
- 1x2 through 1x8 configurations, vertical mount, low profile
- LEDs and EMI tab optional configurations

2xN Port Modules

- 10/100/1000Base-T and Power over Ethernet
- 2x1, 2x4, 2x6 and 2x8 configurations
- LEDs and EMI tab optional configurations, compressed height



Combo Single Port Modules

- 10/100/1000Base-T
- RJ45, LEDs and USB-2A or USB-B connectors

DISCRETE MAGNETICS FOR NETWORKING & TELECOMMUNICATIONS



10/100Base-TX & Gigabit Ethernet

- 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

Power over Ethernet (PoE)

- 10/100Base-TX and Gigabit Ethernet
- Dual packaging

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

www.signaltransformer.com
866-239-5777

Signal Transformer



- 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

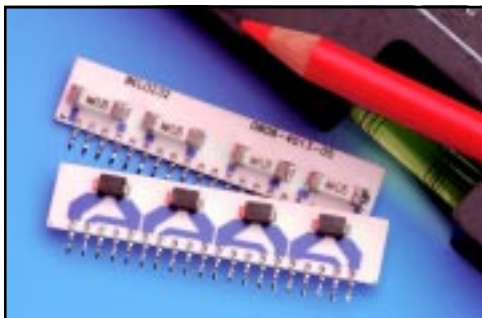
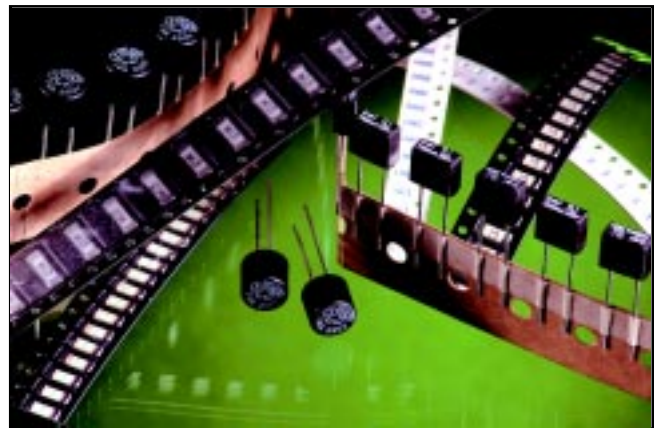
- General Purpose
- Microprocessor Applications
- Class 2
- Step Down
- Power Isolation
- Chokes
- Custom Designs



CIRCUIT PROTECTION

FUSE PRODUCTS

- Widest range of RoHS compliant designs
- Worldwide approvals - UL, CSA, PSE, CCC, VDE, Semko
- 600V (UL60950, GR1089) telecom surge protection packages
- 0603/1206 fast act chip fuses; 1206 slow blow



Circuit Protection SIP Modules

- Tip and ring protection circuit
- Space saving solution
- Two and four channel packaging
- T1/E1 and xDSL compliance
- For compliance to UL60950, GR1089, UTI-T K

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MODULES

INTEGRATED BROADBAND MODULES

xDSL Front End Modules

- Single component filter solutions
- Small form factor
- Ideal for multi-port line cards

xDSL Splitters

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

T1/E1/J1 Modules

- Minimum footprint for maximum line card density
- SIP footprint
- Worldwide certification (BSEN60950/UL60950)
- Telcordia, GR1089 and ITU compliance
- Through hole or SMD
- Optimized for Conexant, IDT, Infineon, Intel, Maxim, PMC Sierra



T1/E1 Redundancy Splitter Card

- Dual channel RX redundancy protection
- Passive design
- GR1089 and ITU K.20 compliance



Powerline Modules

- Low power SIMPLE™ embedded PowerPacket™ modules
- Second generation HomePlug™ 1.0 embedded modules based on Intellon's advanced INT5200 single-chip powerline solution
- Compact vertical or right angle mounting configuration using Intellon's SIMPLE™ PowerBus connector
- Designed and optimized for excellent performance
- Isolating couplers also available

HomePlug is a registered trademark of the HomePlug Powerline Alliance, Inc.
Intellon, PowerPacket, SIMPLE and SIMPLE PowerBus are registered trademarks 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

ISDN BRI Modules

- Single component ISDN S and U interface solutions
- Worldwide certification (UL 60950)
- CCITT I.430 Layer 1 tested
- Latest 3.3V chipsets supported
- Optimized for Cologne Chip, Infineon, Motorola



MODULES

POWER MODULES

- Broad offering of non-isolated point-of-load converters
- Cost efficient solutions
- Higher efficiency in a compact, surface mount package
- Programmable output voltages for greater flexibility
- Improved thermal performance for a more robust solution

Isolated Bus Converters

- 48V input with 6V to 12V output
- Quarter and eighth bricks
- Easy to parallel for additional power

S7DB Diamondback Series

- 4A to 30A output
- Excellent thermal performance
- Complete converter - no external components required

x7AH Arrowhead Series

- 1A to 12A output
- Input ranges 3.3V, 5V or 12V

V7Px SIP Series

- 6A to 40A output
- Input ranges 2.5V to 12V

Voltage Regulator Modules

- Up to 150A of output current
- VRM 8.x, 9.x, 10.x and Opteron solutions



Keystone Series

- Digitally programmable output
- Input range 3V to 15V
- Load sharing and autophasing up to 200A

S7DC Bobcat Series

- 3A to 16A output
- Compliant to DOSA standards

INTERCONNECT



Bel Stewart Connector

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

MODULAR CONNECTORS

Modular Jacks

- Cat3 through Cat6 performance connectors available
- Unshielded and shielded designs for EMI protection
- Preloaded wire contacts for optimized performance

Single Port Jacks

- 60 Series Cat6 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