



Since 1978

The Main Provider of Various Range of Power Semiconductor



Since 1978

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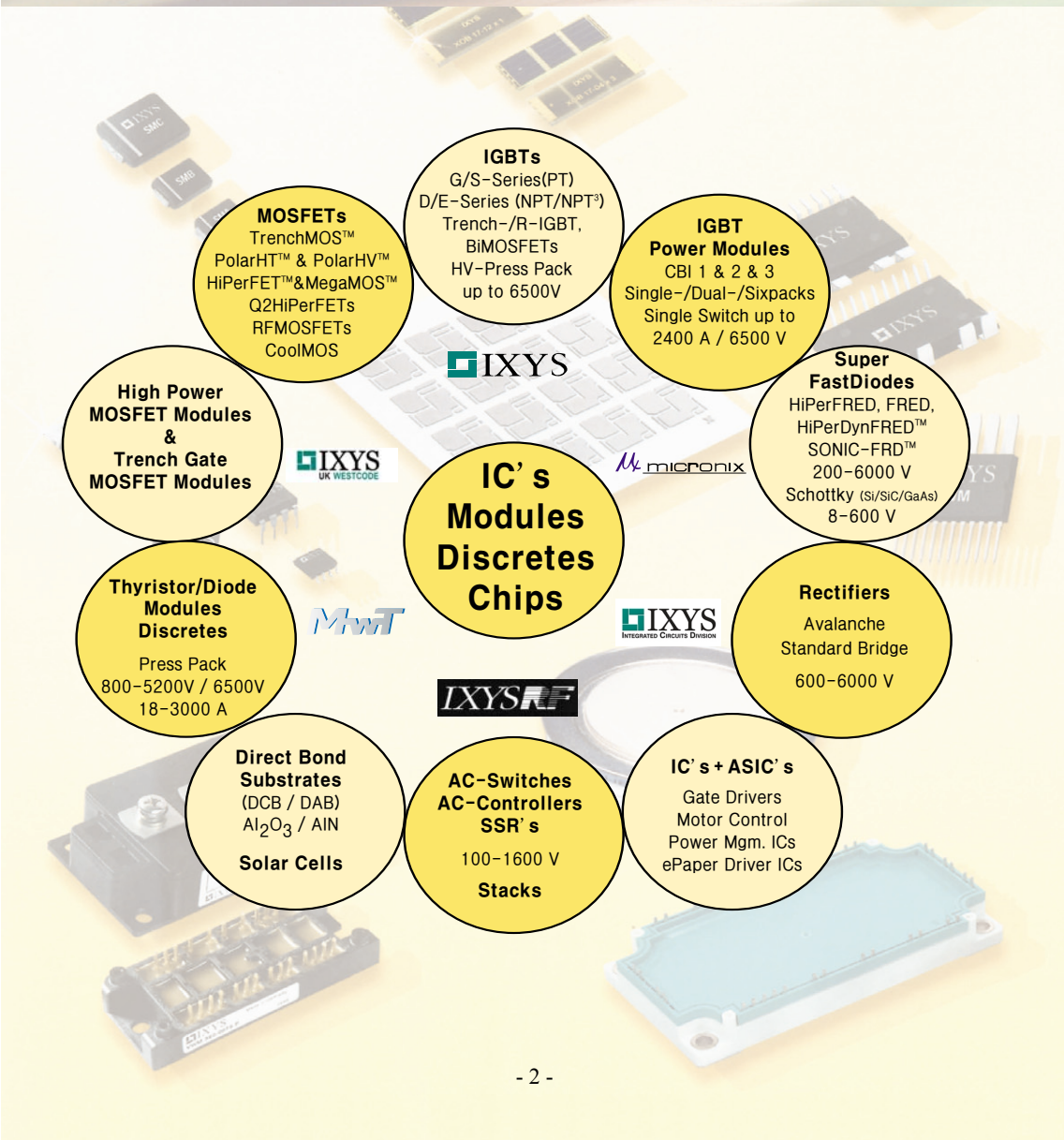
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E-mail : mainsail@korea.com

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TEL:(02)2683-5240 FAX:(02)2683-5241

IXYS Product Portfolio

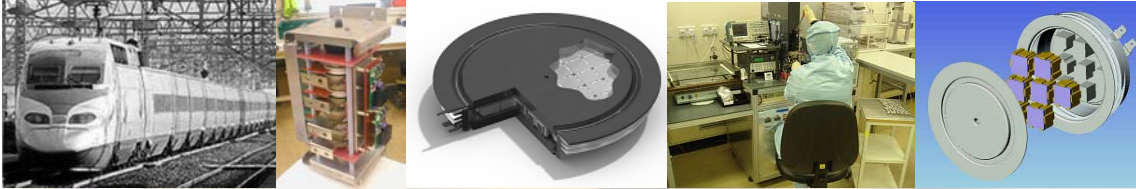


Next Generation of Press-Pack IGBTs from Westcode, now extended to 2400A
Market-leading reliability in the megawatt range in high power applications

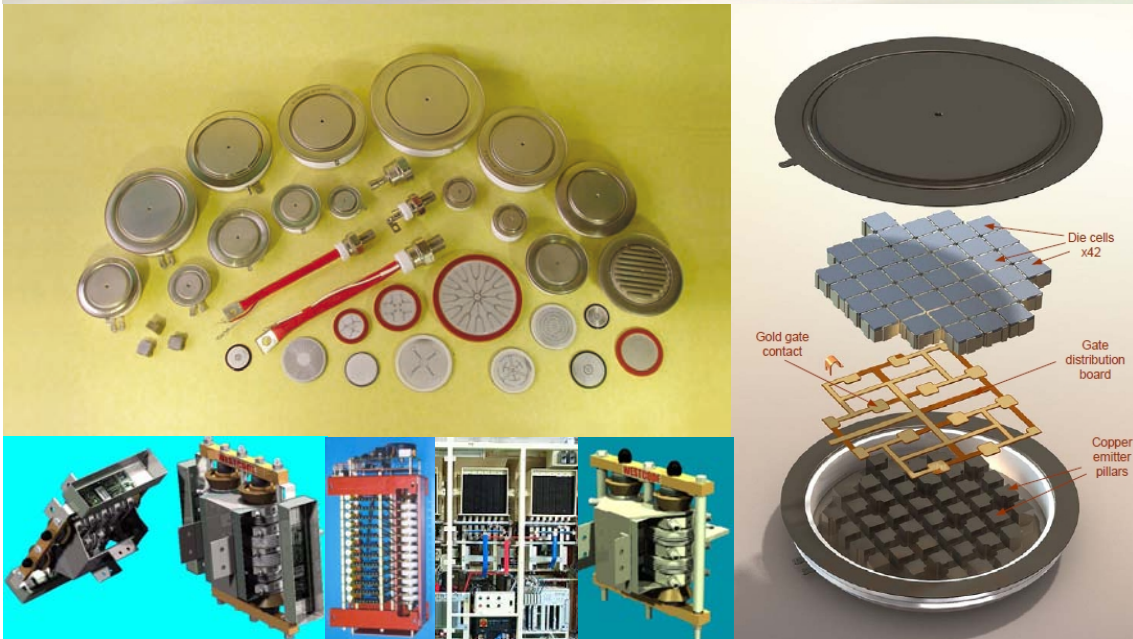




Product Portfolio



Next Generation of Press-Pack IGBTs from Westcode, now extended to 2400A
Market-leading reliability in the megawatt range in high power applications



Rectifier Diodes

- stud types
- capsule types

Fast Recovery Diodes

- stud types
- capsule types

Soft Recovery Diodes

- capsule types

Extra Fast Recovery Diodes

- capsule types

High Power Sonic FRD's

- capsule types

Phase Control Thyristors

- stud types
- capsule types

Medium Voltage Thyristors

- capsule types

Fast Turn Off Thyristors

- stud types
- capsule types

Distributed Gate Thyristors

- capsule types

Gate Turn Off Thyristors

- capsule & new stud type

Insulated Gate Bi-polar Transistors (IGBT)

- capsule types




YOUR DEDICATED SPECIALIST MANUFACTURING DISCRETE SEMICONDUCTORS



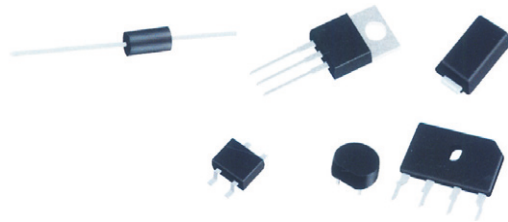
DIODES & BRIDGE RECTIFIERS

- GENERAL PURPOSE RECTIFIERS
- SCHOTTKY
- FAST RECOVERY RECTIFIERS
- ULTRAFAST
- BRIDGE RECTIFIERS
- ZENER
- TVS

Thyristor lines

	<p>SCR</p> <p>Sensitive Gate SCRs Standard SCRs Surface Mount SCRs</p>
	<p>TRIAC</p> <p>Logic Level TRIACs Standard TRIACs High Commutation TRIACs Surface Mount TRIACs</p>
	<p>DIAC</p> <p>Standard DIAC Surface Mount DIAC</p>

www.fagorelectronica.com

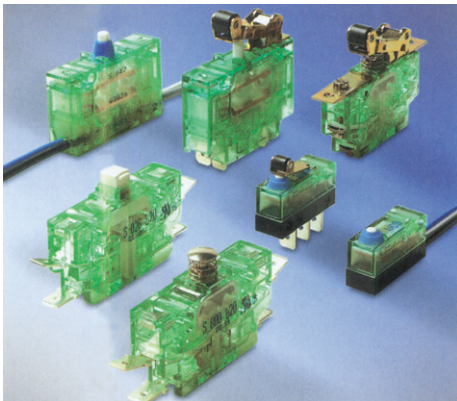


Fagor Electrónica

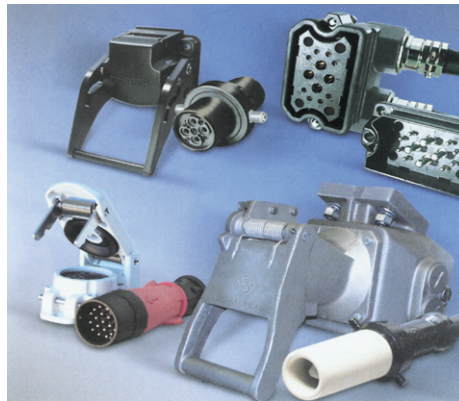


Connectors Contactors Master controllers Snap-action Switches

Snap-action switches



Connectors



Contactors



Control devices

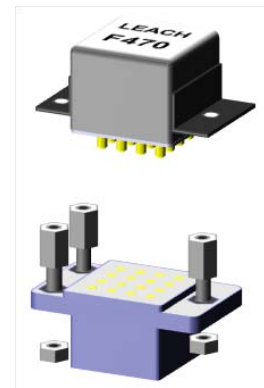
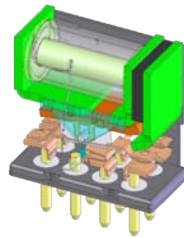


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*Advancing technologies
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Esterline

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Micro-Control

Control system solutions
adapted to your applications



Incremental 

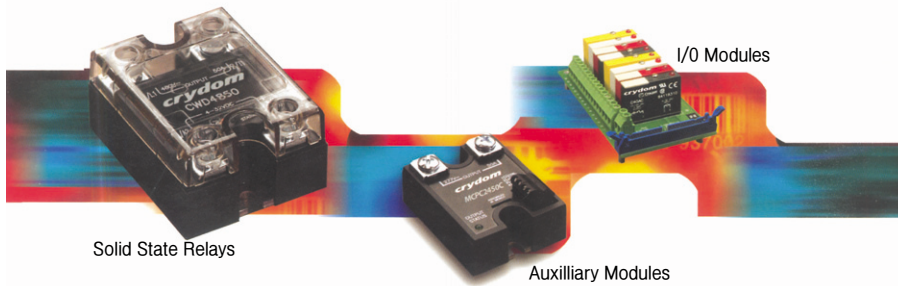
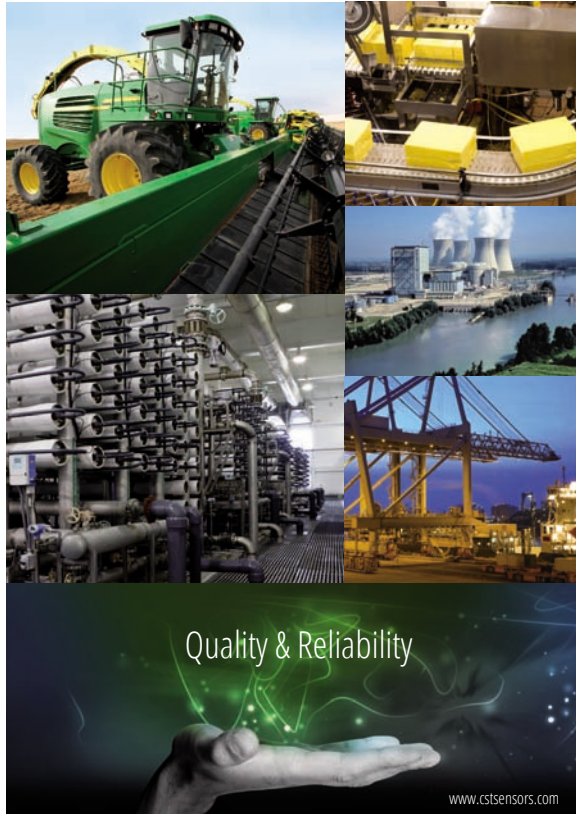
 Absolute Single-turn

Absolute Multi-turn 



Voice Coil Actuators

Hall Effect Sensors



Solid State Relays

Auxilliary Modules

I/O Modules



WORLD-WIDE CIRCUIT PROTECTION SOLUTIONS

*LV Circuit Components
Low Voltage Fusegear
High Speed Fuses*



*High Voltage Products
Low Voltage Fuse Links
IEC Cylindrical Fuse System*

Over 35,000 types of fuses to Global Standards:
BS, IEC, DIN, UL & CSA

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United Kingdom, United States, Denmark

Manufacturing locations have earned ISO 9000 Certification
Global network of distribution, customer service and technical support
Commitment to new innovative circuit protection solutions



Nissei Electronics
Film capacitor manufacturing expert



一般電子回路用



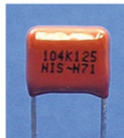
AMZ

低損失、高周波用



APS

小型、雑音防止



MML

小型、一般電子回路



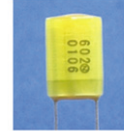
MMH

電力計用雑音防止



MPD

照明、雑音防止用



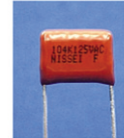
NSM

耐熱用



AHS

高信頼性、雑音防止



MMD

小型、一般電子回路



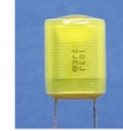
MMC

ハイブリット車、DC-Link



DLC

電球型蛍光灯用



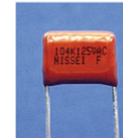
AMR, ANR

小型、オーディオ用



MTF

高信頼性、雑音防止



MMD

小型、一般電子回路



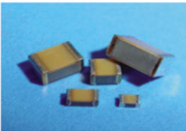
MMX

小ワット共振、スナバ回路



MPV

発振、時定数回路用



CHA

小型、一般電子回路用



MMT

高周波、共振回路



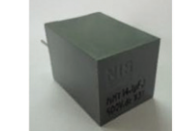
MPE

低損失、高周波



MMB

ハイブリット車、LED照明



MMY (BOXタイプ)



KEMET Capacitors in Power applications



DC Link Capacitor Strengths of KEMET Film and Electrolytic



AC Film

- Long life (> 100.000 hours)
- High operating voltage 3000 Vdc
- High reliability, self-healing
- Softwinding or Stack Technology
- Low ESR, low ESL
- High ripple & peak currents
- Use directly after long storage
- No acid inside

Aluminum Electrolytic

- Long life (up to 100.000 hours)
- Operating voltages up to 550 Vdc
- High transient voltage performance
- High ripple current capability
- High Temperature up to +150° C
- Electrolyte development
- Design flexibility
- Fast response times



One WORLD One Brand One Strategy One Focus One Team One KEMET

Snubber Capacitor KEMET Solutions for IGBT



General Construction

Typical rated voltages: 1200

Film configuration: MMKP – high current performance polyester carrier, high voltage due to 2-sections in series

Solutions:

- C4B** Box - Wire terminals total capacitance with parallel solutions for high ripple and peak currents, low ESR low ESL
- Tab / lug terminals enable direct IGBT installation. With most IGBT brands (ABB, Westcode, Semikron, Eupec etc)
- C44B** Alu-can

One WORLD One Brand One Strategy One Focus One Team One KEMET



Products

- Linear Power Operational Amplifiers
- Pulse Width Modulation Amplifiers
- Open Frame Amplifiers
- Precision ICs

Applications

- Industrial Controls
- Test & Measurement
- Aerospace & Military Systems



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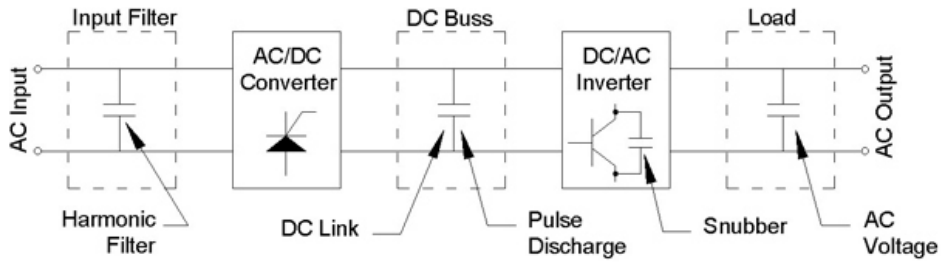


- Surface Mount Power Resistors
- Axial Coated Silicon Resistors
- Aluminium Housed Resistors
- Vitreous Enamelled Resistors
- Vitreous & Open Wound Resistors
- Precision Metal Film Resistors



Focus. Consistency. Excellence.

For more than 70 years, NWL has maintained a vertically integrated manufacturing philosophy, especially unusual in today's "built-elsewhere, assembled-here" environment. As one of the largest independent suppliers of high-voltage power components and systems, we design, build, and support all our products from start to finish. An ISO 9001-2008 registered company, NWL provides equipment that meets national and international standards such as UL, NEC, CSA, ex, IEC and CE.



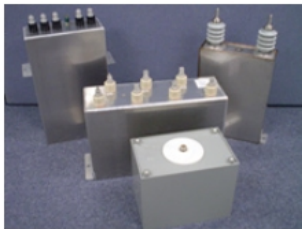
ER-Series



Water Cooled AC for Induction Heating



Welded Water Cooled



Welded Air Cooled



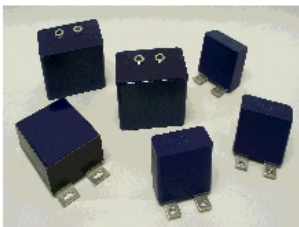
Metallized Film Welded Case



S-Series commutation capacitors



High Voltage Plastic



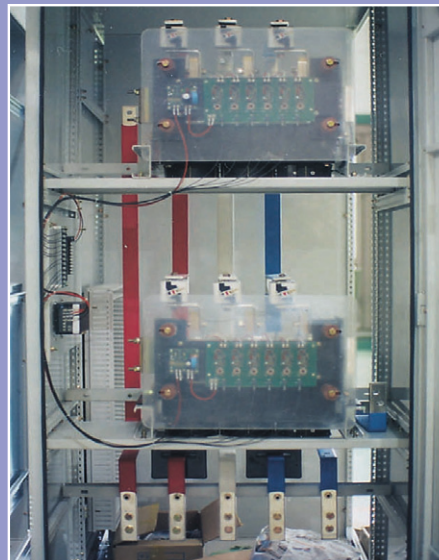
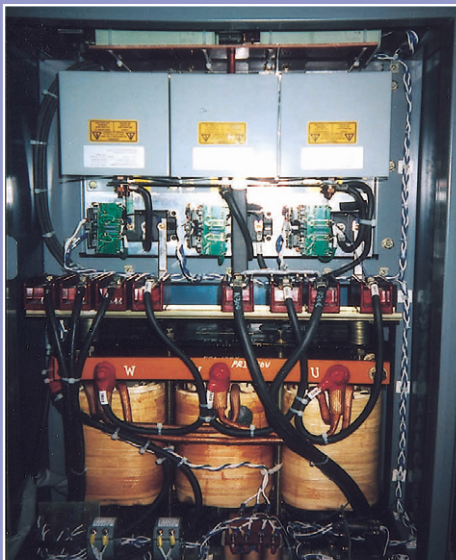
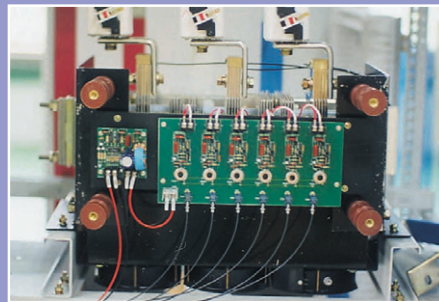
Snubbers for IGBT Protection



Package Options

Power Assembly Facility

- Specialized Rectifier Systems for Traction
- Drive Systems
- AC Regulators



 주식회사 **메인세일**

본사 TEL:(02)745-2761 FAX:(02)745-2766 공장 TEL:(031)541-1571 FAX:(031)541-1572

Assembly House