


## Trans IGBT Module N-CH 1200V 90A 370mW 7-Pin Y4-M5

<b>Manufacturer:</b>	<a href="#">IXYS Corporation</a>
<b>Package/Case:</b>	MODULE
<b>Product Type:</b>	Thyristors
<b>RoHS:</b>	RoHS Compliant/Lead free 
<b>Lifecycle:</b>	Obsolete



Images are for reference only

[Inquiry](#)

### General Description

The MID75-12A3 module is designed to handle high voltage and current levels for power conversion and control applications. It incorporates various components, such as diodes, transistors, and capacitors, to enable efficient and reliable power conversion.

### Key Features

**High Power Handling:** The MID75-12A3 module is capable of handling high power levels, making it suitable for demanding applications that require substantial power conversion and control capabilities.

**Integrated Design:** The module integrates multiple components, including rectifiers, brake choppers, and inverters, into a single package. This integrated design simplifies system design and installation, reduces component count, and saves space in the application.

**High Efficiency:** The module is designed for high-efficiency power conversion, minimizing power losses and improving overall system efficiency. This results in reduced energy consumption and improved system performance.

**Protection Features:** It incorporates various protection features to ensure safe and reliable operation. These may include overvoltage protection, overcurrent protection, and temperature monitoring to prevent damage to the module and connected components.

**Easy Mounting:** The module typically features a robust and compact package that allows for easy mounting onto heat sinks or other cooling mechanisms. This facilitates efficient heat dissipation and extends the module's lifespan.

### Application

**Motor Drives:** The module can be used in motor drive systems for controlling the speed and torque of electric motors, enabling precise and efficient motor control in industrial applications.

**Power Supplies:** It can be employed in power supply units to convert AC or DC power into the desired voltage and current levels for different loads, such as in industrial equipment or telecommunications systems.

**Renewable Energy Systems:** The module can be integrated into renewable energy systems, such as solar or wind power installations, to convert the generated energy into usable power for grid connection or standalone applications.

**Industrial Automation:** It can be utilized in various industrial automation applications, including robotics, machine tools, and process control systems, where high-power control and conversion are required.

**Electric Vehicles:** The module can play a role in electric vehicle powertrain systems, converting and controlling power between the battery pack, motor, and other vehicle subsystems.

### Recommended For You

**MI1300-12A4**

IXYS Corporation

MODULE

**MIXA150Q1200VA**

IXYS Corporation

MODULE

**MIXA60W1200TED**

IXYS Corporation

MODULE

**MIXA40WB1200TED**

IXYS Corporation

MODULE

**MIXA450PF1200TSF**

IXYS Corporation

MODULE

**MI1400-12E4**

IXYS Corporation

MODULE

**MI1100-12A3**

IXYS Corporation

MODULE

**MI175-12A3**

IXYS Corporation

MODULE

**MIXG120W1200TEH**

IXYS Corporation

E3

**MID100-12A3**

IXYS Corporation

MODULE

**MID300-12A4**

IXYS Corporation

MODULE

**MIXA30W1200TMH**

IXYS Corporation

MODULE

**MITA30WB600TMH**

IXYS Corporation

MODULE

**MIXA20W1200TMH**

IXYS Corporation

MODULE

**MIXA20WB1200TMH**

IXYS Corporation

MODULE