

## Intelligent Power Module IPM 22-Pin Case P-610

<b>Manufacturer:</b>	<a href="#">Fuji Electric</a>
<b>Package/Case:</b>	MODULE
<b>Product Type:</b>	Discrete Semiconductor Modules
<b>Lifecycle:</b>	Unconfirmed



Images are for reference only

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## General Description

The 7MBP75RA060 is a power module. Power modules are integrated circuits that combine multiple power semiconductor devices, such as IGBTs (Insulated Gate Bipolar Transistors) and diodes, along with control circuitry and protection features, into a single package.

## Key Features

**High Power Handling:** Power modules like the 7MBP75RA060 are designed to handle high power levels, making them suitable for high-power applications.

**IGBT Technology:** The module may utilize IGBT technology, which offers high voltage and current ratings, low conduction losses, and fast switching capabilities.

**Low Losses:** Power modules aim to minimize power losses during operation to improve efficiency and reduce heat generation.

**Integrated Protection Features:** The module may include built-in protection features such as overcurrent protection, overvoltage protection, and over-temperature protection to ensure safe and reliable operation.

**Compact Design:** Power modules often have a compact design that allows for easy integration into various electronic systems.

## Application

**Industrial Drives:** Power modules are used in motor control applications such as variable frequency drives (VFDs) for industrial machinery.

**Power Supplies:** They can be used in high-power switch-mode power supplies (SMPS) for applications such as server power supplies or industrial power systems.

**Renewable Energy Systems:** Power modules are employed in inverters for renewable energy systems like solar power or wind power.

**Electric Vehicles (EVs) and Hybrid Electric Vehicles (HEVs):** Power modules are used in motor drives and power conversion systems for electric and hybrid vehicles.

**UPS Systems:** They can be utilized in uninterruptible power supply (UPS) systems to provide backup power during mains power failures.

