

EconoPIM™ and EconoPACK™ IGBT4 Modules: Mechanically Compatible Module Alternative to IGBT2 & IGBT3 Modules

Infineon Technologies offers a complete range of mechanically compatible alternatives to older IGBT2 and IGBT3 Econo modules. EconoPIM™ and EconoPACK™ modules featuring IGBT4 and Emitter Controlled Diode 4 have proven to be the benchmark in the relevant power range for several years now.

In order to successfully contribute to higher energy efficiency and to be successful in the market, converter manufacturers are seeking ways to improve their products and services. Superior product reliability or improved performance are examples for such improvements. Infineon supports its customers in mastering such challenges.

There are many advantages of IGBT4 modules including:

- Higher operation junction temperatures of 150°C
- Improved power cycling capability
- Lower switching losses
- Higher output current
- Optimised switching characteristic (softness)

IGBT4 Econo modules are targeted to be in production for many more years to provide long-term availability for our customers' inverter projects.

Infineon realises that innovation and continuous improvement are very important in the area of industrial power. Hence, the following products are available for delivery and offer our customers a way to easily take one big step into the future of power electronics:

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EconoPIM™ 2

	V_{CES}	I_C	Configuration	Sales Product
FP25R12KT4_B15	1200 V	25 A	PIM	SP000808002
FP35R12KT4_B15	1200 V	35 A	PIM	SP000408732



EconoPIM™ 2 module with solder pins

EconoPIM™ 3

	V_{CES}	I_C	Configuration	Sales Product
FP50R12KT4G_B15	1200 V	50 A	PIM	SP000821806
FP75R12KT4_B15	1200 V	75 A	PIM	SP000408728



EconoPIM™ 3 module with solder pins

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EconoPACK™ 2

	V_{CES}	I_C	Configuration	Sales Product
FS50R12KT4_B15	1200 V	50 A	SixPACK	SP000408744
FS75R12KT4_B15	1200 V	75 A	SixPACK	SP000408756



EconoPACK™ 2 module with solder pins

EconoPACK™ 3

	V_{CES}	I_C	Configuration	Sales Product
FS100R12KT4G	1200 V	100 A	SixPACK	SP000379671
FS150R12KT4	1200 V	150 A	SixPACK	SP000369613
FS200R12KT4R	1200 V	200 A	SixPACK	SP000715004



EconoPACK™ 3 module with solder pins

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Cross-Reference:

Old Type featuring IGBT²/IGBT3	Alternative Type featuring IGBT4
BSM10GP120	FP25R12KT4_B15
BSM15GP120	FP25R12KT4_B15
BSM25GP120	FP25R12KT4_B15
BSM35GP120	FP35R12KT4_B15
BSM35GP120G	FP50R12KT4G_B15
BSM50GP120	FP50R12KT4G_B15
FP15R12KE3G	FP25R12KT4_B15
FP15R12KS4C	FP25R12KT4_B15
FP15R12KT3	FP25R12KT4_B15
FP25R12KE3	FP25R12KT4_B15
FP25R12KS4C	FP25R12KT4_B15
FP25R12KT3	FP25R12KT4_B15
FP40R12KE3	FP35R12KT4_B15
FP40R12KE3G	FP50R12KT4G_B15
FP40R12KT3	FP35R12KT4_B15
FP40R12KT3G	FP50R12KT4G_B15
FP50R12KE3	FP50R12KT4G_B15
FP50R12KS4C	FP50R12KT4G_B15
FP50R12KT3	FP50R12KT4G_B15
FP75R12KE3	FP75R12KT4_B15
FP75R12KT3	FP75R12KT4_B15
FS100R12KE3	FS100R12KT4G
FS100R12KT3	FS100R12KT4G
FS150R12KE3	FS150R12KT4
FS150R12KT3	FS150R12KT4
FS25R12KE3G	FS50R12KT4_B15
FS25R12KT3	FS50R12KT4_B15
FS35R12KE3G	FS50R12KT4_B15
FS35R12KT3	FS50R12KT4_B15
FS50R12KE3	FS50R12KT4_B15
FS50R12KT3	FS50R12KT4_B15
FS75R12KE3	FS75R12KT4_B15
FS75R12KE3G	FS100R12KT4G
FS75R12KT3	FS75R12KT4_B15
FS75R12KT3G	FS100R12KT4G

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