

Infineon IGBT Module, EUPEC IGBT Module, infineon IGBT Module Agent, EUPEC IGBT Agent – Kaimeite Electronics

Infineon/eupec



- 600V series
 - 1200V series
 - 1600V、1700V series
 - 3300V、6500V series
- IGBT Module
(BSM、FF、FZ、FP series)

Infineon/eupec Module circuit diagram

	One unit	Two units	F4 Four units	GD Six units	GAL chopper	GAR chopper
circuit diagram						

- 600V series IGBT module

Two units	BSM-DLC (Low Loss / IGBT2):	BSM50GB60DLC	BSM75GB60DLC	BSM100GB60DLC	BSM150GB60DLC	BSM200GB60DLC
		BSM300GB60DLC				
	FF-KE3 (IGBT3):	FF200R06KE3	FF300R06KE3	FF400R06KE3		

Four units	F4-KL4 (Low Loss / IGBT2): F4-100R06KL4 F4-150R06KL4 F4-200R06KL4
Six units	FS-L4 (Low Loss / IGBT2): FS10R06XL4 FS15R06XL4 FS20R06XL4 FS30R06XL4 FS50R06YL4 FS75R06KL4 FS100R06KL4 FS150R06KL4 FS200R06KL4
	BSM-DLC (Low Loss / IGBT2): BSM30GD60DLC BSM50GD60DLC BSM75GD60DLC BSM100GD60DLC BSM150GD60DLC BSM200GD60DLC
	FS-VE3 (IGBT3): FS10R06VE3 FS15R06VE3 FS20R06VE3 FS30R06VE3
	FS-KE3 (IGBT3): FS50R06KE3 FS75R06KE3 FS100R06KE3 FS150R06KE3 FS200R06KE3
PIM	FP-KL4: FP10R06KL4 FP15R06KL4 FP20R06KL4
	BSM-GP: BSM10GP60 BSM15GP60 BSM20GP60 BSM30GP60 BSM50GP60 BSM75GP60 BSM100GP60
	FP-YE3: FP10R06YE3 FP20R06YE3 FP30R06YE3

■ 1200V series IGBT Module

EUPEC 1200V IGBT module has five types for users to choose (according to the switching frequency, distinguished from the suffix)

type		DN2 series	DLC series	KS4 series	KE3 series	KT3 series
Best switching frequency rangefgs		10KHZ-20KHZ	4KHZ-8KHZ	15KHZ-30KHZ	4KHZ-10KHZ	8KHZ-15KHZ
Saturation pressure drop Vce(sat)	Tc=25°C	2.5V	2.1V	3.2V	1.7V	1.7V
	Tc=125°C	3.1V	2.4V	3.85V	2.0V	1.9V

One units	GA -DN2 (Standard): BSM200GA120DN2 BSM300GA120DN2 BSM400GA120DN2
	FZ -KF4 (Standard): FZ800R12KF4 FZ1200R12KF4 FZ1600R12KF4 FZ1800R12KF4 FZ2400R12KF4
	GA -DLC (Low Loss): BSM200GA120DLC BSM300GA120DLC BSM400GA120DLC BSM600GA120DLC
	FZ -KL4C (Low Loss): FZ800R12KL4C FZ1200R12KL4C FZ1600R12KL4C FZ1800R12KL4C FZ2400R12KL4C
	FZ -KS4 (Fast): FZ400R12KS4 FZ600R12KS4 FZ800R12KS4 B2
	FZ -KE3 (IGBT3): FZ300R12KE3G FZ400R12KE3 FZ600R12KE3 FZ800R12KE3 FZ1200R12KE3 FZ1600R12KE3 FZ2400R12KE3 FZ3600R12KE3
Two units	GB -DN2 (Standard): BSM50GB120DN2 BSM75GB120DN2 BSM100GB120DN2K BSM100GB120DN2 BSM150GB120DN2 BSM200GB120DN2
	FF -KF4 (Standard): FF400R12KF4 FF600R12KF4 FF800R12KF4
	GB -DLC (Low Loss): BSM50GB120DLC BSM75GB120DLC BSM100GB120DLCK BSM100GB120DLC BSM150GB120DLC BSM200GB120DLC BSM300GB120DLC
	FF -KL4C (Low Loss): FF400R12KL4C FF600R12KL4C FF800R12KL4C
	FF -KE3 (IGBT3): FF150R12KE3G FF200R12KE3 FF300R12KE3 FF400R12KE3 FF600R12KE3 FF800R12KE3 FF1200R12KE3
	FF -KT3 (Fast IGBT3): FF150R12KT3G FF200R12KT3 FF300R12KT3 FF400R12KT3

Four units	F4 -KS4 (Fast): F4-50R12KS4 F4-75R12KS4 F4-100R12KS4 F4-150R12KS4 F4-400R12KS4 B2
	GD -DN2 (Standard): BSM15GD120DN2 BSM25GD120DN2 BSM35GD120DN2 BSM50GD120DN2 BSM75GD120DN2 BSM100GD120DN2 BSM25GD120DN2E3224 BSM35GD120DN2E3224 BSM50GD120DN2E3226
	FS -KF4 (Standard): FS300R12KF4 FS400R12KF4
	GD -DLC (Low Loss): BSM15GD120DLCE3224 BSM25GD120DLCE3224 BSM35GD120DLCE3224 BSM50GD120DLC BSM75GD120DLC BSM100GD120DLC
Six units	FS -KS4 (Fast): FS75R12KS4 FS100R12KS4
	FS -KE3 (IGBT3): FS25R12KE3G FS35R12KE3G FS50R12KE3 FS75R12KE3 FS100R12KE3 FS150R12KE3 FS225R12KE3 FS300R12KE3 FS450R12KE3
	FS -KT3 (Fast IGBT3): FS10R12YT3 FS15R12YT3 FS25R12KT3 FS35R12KT3 FS50R12KT3 FS75R12KT3 FS75R12KT3G FS100R12KT3 FS150R12KT3
PIM	BSM -GP (Low Loss): BSM10GP120 BSM15GP120 BSM25GP120 BSM35GP120 BSM35GP120G BSM50GP120
	FP -KS (Fast): FP15R12KS4C FP25R12KS4C FP35R12KS4CG FP50R12KS4C
	FP -KE3 (IGBT3): FP10R12KE3 FP15R12KE3 FP25R12KE3 FP40R12KE3 FP40R12KE3G FP50R12KE3 FP75R12KE3
	FP -YT3 (Fast IGBT3): FP10R12YT3 FP15R12YT3 FP15R12KT3 FP25R12KT3 FP40R12KT3 FP50R12KT3 FP75R12KT3
chopper modules	GAR: BSM75GAR120DN2 BSM300GAR120DLC
	GAL: BSM75GAL120DN2 BSM100GAL120DN2 BSM300GAL120DLC
	FD: FD200R12KE3 FD300R12KE3

■ 1600V、1700V series IGBT Module

One units	GA -DN2 (Standard): BSM200GA170DN2 BSM300GA170DN2 BSM300GA170DN2S
	FZ -KF4 (Standard): FZ800R16KF4 FZ1200R16KF4 FZ1800R16KF4
	GA -DLC (Low Loss with Emcon Diode): BSM200GA170DLC BSM300GA170DLC BSM400GA170DLC
	FZ -KF6C_B2 (Low Loss with Emcon Diode): FZ800R17KF6C_B2 FZ1200R17KF6C_B2 FZ1600R17KF6C_B2 FZ1800R17KF6C_B2 FZ2400R17KF6C_B2
	FZ -KE3 (IGBT3): FZ400R17KE3 FZ600R17KE3 FZ1200R17KE3 FZ1600R17KE3 FZ2400R17KE3 FZ3600R17KE3
Two units	GB -DN2 (Standard): BSM50GB170DN2 BSM75GB170DN2 BSM100GB170DN2 BSM150GB170DN2
	FF -KF4 (Standard): FF400R16KF4 FF600R16KF4
	GB -DLC (Low Loss with Emcon Diode): BSM100GB170DLC BSM150GB170DLC BSM200GB170DLC
	FF -KF6C_B2 (Low Loss with Emcon Diode): FF400R17KF6C_B2 FF600R17KF6C_B2 FF800R17KF6C_B2
	FZ -KE3 (IGBT3): FF200R17KE3 FF300R17KE3 FF600R17KE3 FF800R17KE3 FF1200R17KE3
Six units	FS -KF4 (Standard): FS300R16KF4
	GD -DL (Low Loss): BSM50GD170DL BSM75GD170DL
	FS -KE3 (IGBT3): FS75R17KE3 FS100R17KE3 FS150R17KE3 FS225R17KE3 FS300R17KE3 FS450R17KE3
chopper modules	FD -KF4 (Standard): FD400R16KF4 FD600R16KF4
	FD -KF6C_B2 (Low Loss with Emcon Diode): FD40R17KF6C_B2 FD600R17KF6C_B2 FD800R17KF6C_B2

■ 3300V series IGBT Module

One units	FZ - KF2C (Standard): FZ800R33KF2C FZ1200R33KF2C
	FZ - KL2C (Low Loss): FZ800R33KL2C FZ1200R33KL2C
Two units	FF - KF2C (Standard): FF200R33KF2C FF400R33KF2C
chopper modules	FD - KF2C (Standard): FD400R33KF2C FD400R33KF2C-K FD800R33KF2C FD800R33KF2C-K
	FD - KL2C-K_B5 (Low Loss with 10.2 kV Insulation Voltage): FD800R33KL2C-K_B5

■ 6500V series IGBT Module

One units	FZ - KF1 (Standard): FZ200R65KF1 FZ400R65KF1 FZ600R65KF1
chopper modules	FD - KF1-K (Standard): FD200R65KF1-K FD400R65KF1-K

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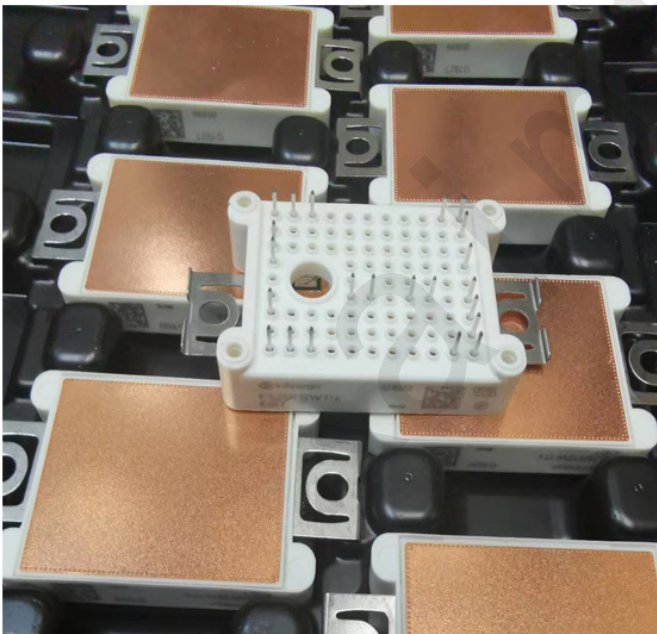
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