



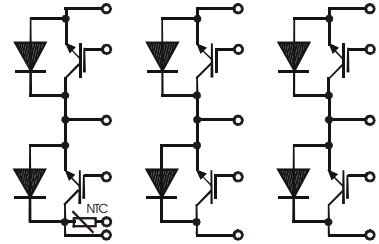
released, E 148688

## IGBT Sixpac Module

Type	V <sub>CES</sub> Voltage Grade  V	I <sub>C25</sub> T <sub>C</sub> = 25°C IGBT  A	I <sub>C80</sub> T <sub>C</sub> = 80°C IGBT  A	V <sub>CE(sat)</sub> Saturation Voltage (typical) T <sub>J</sub> =25 °C  V	E <sub>off</sub> T <sub>J</sub> =125 °C  IGBT  mJ	R <sub>thJC</sub>  IGBT  K/W	I <sub>F25</sub> T <sub>C</sub> = 25 °C DIODE  A	I <sub>F80</sub> T <sub>C</sub> = 80 °C DIODE  A	Figure	Package style  see outlines starting at page 86
PSII 3x10/06*	600	19	14	1.9	0.3	1.7	21	14	69	

\* with NTC

Fig. 69  
Weight = 18 g

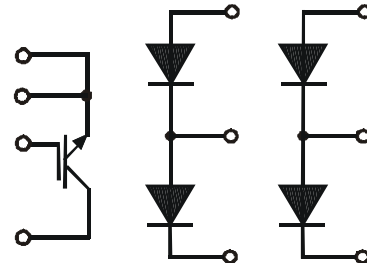


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## START UP Module

Type	V <sub>CES</sub> Voltage Grade  V	I <sub>C25</sub> T <sub>C</sub> = 25°C IGBT  A	I <sub>C80</sub> T <sub>C</sub> = 80°C IGBT  A	V <sub>CE(sat)</sub> Saturation Voltage (typical) T <sub>J</sub> =25 °C  V	t <sub>d(on)</sub> t <sub>d(off)</sub> delay time Switching Characteristics IGBT  ns	R <sub>thJC</sub>  IGBT  K/W	I <sub>F25</sub> T <sub>C</sub> = 25 °C DIODE  A	I <sub>F80</sub> T <sub>C</sub> = 80 °C DIODE  A	Figure	Package style  see outlines starting at page 86
PSBI 30/06	600	42	29	2.4	50 270	0.96	42	27	70	

Fig. 70  
Weight = 18 g

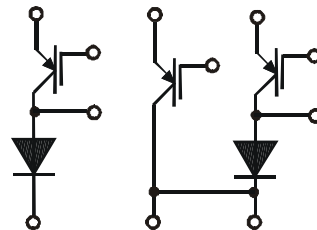


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## Chopper Module

Type	V <sub>CES</sub> Voltage Grade  V	I <sub>C25</sub> T <sub>C</sub> = 25°C IGBT  A	I <sub>C80</sub> T <sub>C</sub> = 80°C IGBT  A	V <sub>CE(sat)</sub> Saturation Voltage (typical) T <sub>J</sub> =25 °C  V	t <sub>d(on)</sub> t <sub>d(off)</sub> delay time Switching Characteristics IGBT  ns	R <sub>thJC</sub>  IGBT  K/W	I <sub>F25</sub> T <sub>C</sub> = 25 °C DIODE  A	I <sub>F80</sub> T <sub>C</sub> = 80 °C DIODE  A	Figure	Package style  see outlines starting at page 86
PSIC 30/06	600	42	29	2.4	50 270	0.96	72	45	71	

Fig. 71  
Weight = 18 g





# POWERSEM

## ECO-PACs™

## INTELLIGENT POWER

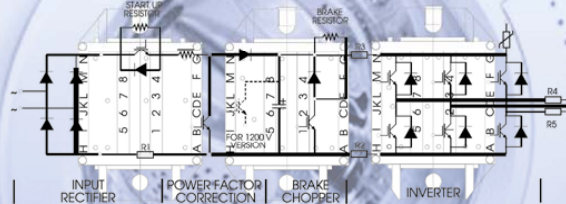
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- Compact
- Flexibility

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- Brake Chopper and PFC IGBT-up to 2 KVA 3
- Internal Power Supply 15 V, 5 V  
+Isolated 5 V for User Interface
- Short Circuit Protection
- DC Link Current Measurement - Analog Output
- AC Load Current Measurement - Digital Output
- Temperature Sensing - On/Off Control plus Analog Output
- DC Link Voltage Sensing - Analog Output
- Inrush Current Control
- Custom Design Possibility

Typical Complete Power  
Circuit Including PFC  
and Brake Chopper



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- Low Radiated RFI
- Simple Assembly

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