

## EconoPACK™3 1700 V SixPACK Modules featuring SiC Diodes

For Infineon innovation and continuous improvement are extremely important in the area of industrial power. Hence, the following product is available for delivery. It offers our customers a way to easily take one big step into the future of power electronics:

### EconoPACK™3 1700 V SixPACK Modules featuring SiC Diodes

| Type         | V <sub>CES</sub> | I <sub>nom</sub> | Configuration | Sales Product |
|--------------|------------------|------------------|---------------|---------------|
| FS100R17KS4F | 1700 V           | 100 A            | SixPACK       | SP000900382   |



EconoPACK(TM)3 module (typical appearance)

Advantages of EconoPACK™3 1700 V modules with SiC diodes:

- Ideally suited for 690 V inverters
- Fast IGBT and ThinQ!™ Silicon Carbide Schottky Diodes for optimised switching losses
- Low switching losses allow for higher switching frequencies (> 15 kHz)
- High switching frequencies allow for very low inverter noise levels
- Improved sinusoidal output voltage helps to significantly reduce filter effort
- Motor efficiency can be increased
- Optimised overall system cost

Applications:

- Drives
- Renewable Energies
- other

|                     |  |
|---------------------|--|
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