IHSM12R021S1

V_{DSS}	1200 V
$R_{DS(on)}$	21 mΩ

HAWKPACK PF1 series

1200 V, 21 mΩ, Silicon Carbide, Six-pack Module



Press-fit low-profile

Features

- Complete three-phase bridge in one module
- Baseplate-less, press-fit pins
- Compact footprint

Typical applications

- Motor drives and servo
- Heat pumps and HVAC compressors
- Three-phase PFC and active front ends

Description

1200 V, 21 mΩ silicon-carbide MOSFET six-pack module in a 62.8 × 33.8 mm baseplate-less housing.

Key specifications

Parameter	Value
V_{DSS}	1200 V
$R_{DS(on)}$ typ., T_{vj} = 25 °C	21 mΩ
I_D nominal	30 A
Topology	Six-pack
T_{vj} op. max	175 °C
Outline	62.8 × 33.8 mm, baseplate-less, press-fit pins

Full characterization data

Thermal resistance, switching energies and times, capacitances, gate charge and typical characteristic curves for IHSM12R021S1 are available on request: request the full data or write to sales@ironhawksemi.com.

Package

Press-fit low-profile. Mechanical outline drawing, STEP model and PCB footprint available on request.

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Ordering information

Part number	Packing	MOQ	Lead time
IHSM12R021S1	Box	On request	On request

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