

IPM IGBT 650V 50A Automotive 27-Pin APM-CAA Tube

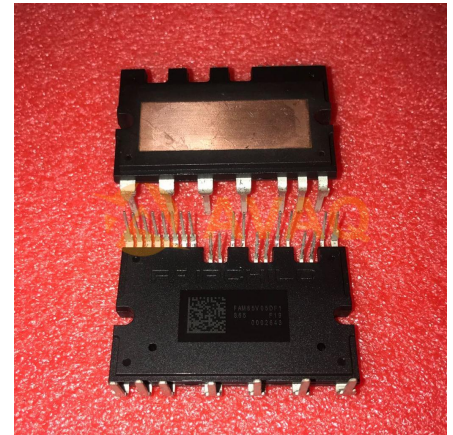
Manufacturer: [ON Semiconductor, LLC](#)

Package/Case: SPM-27

Product Type:

RoHS: RoHS Compliant/Lead free 

Lifecycle: Active



Images are for reference only

[Inquiry](#)

General Description

FAM65V05DF1 is a 650 V, 50 A, AEC-Qualified Intelligent Power Module providing a fully-featured high-performance auxiliary inverter output stage for hybrid and electric vehicles. These modules integrate optimized gate drivers along with Field Stop Trench IGBT and soft recovery Diodes to minimize EMI and losses, while also providing various protection features, in a compact and small 12cm² footprint. FAM65V05DF1 presents an excellent opportunity to simplify board design, reduce development time and lower system cost.

Key Features

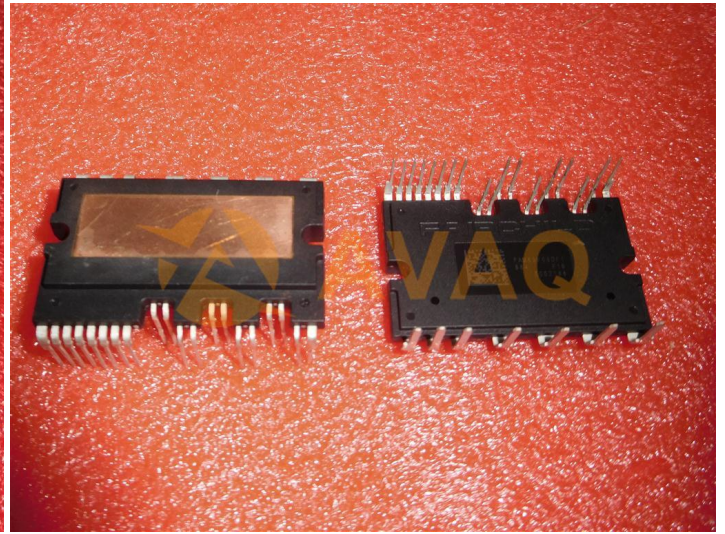
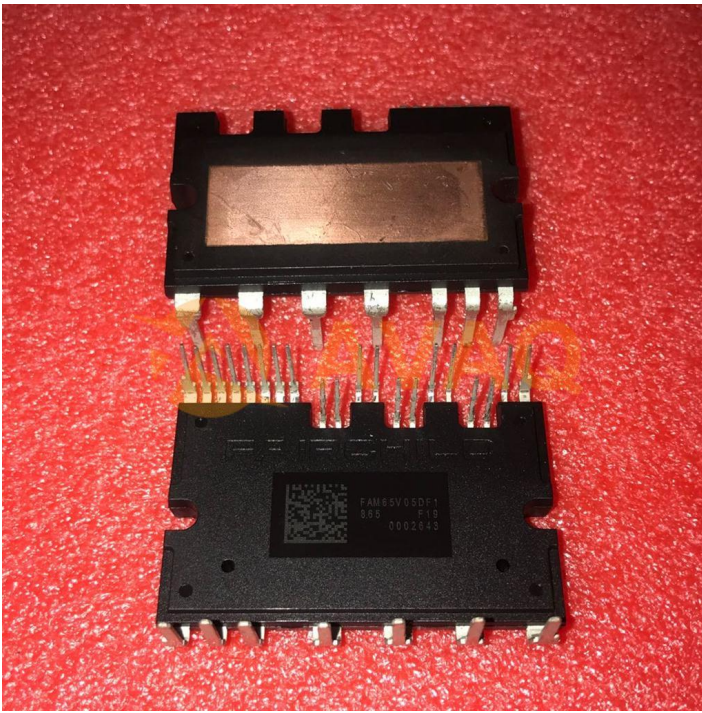
27 pin Auto SPM module

650 V-50A 3-phase IGBT IPM with low loss IGBTs and soft recovery diodes optimized for auxiliary inverter in Hybrid & Electric Vehicle applications

Transfer molded Double Dual Inline Package (DIP) outline

Integrated gate drivers with Internal VS connection, Under Voltage lockout, Over-current shutdown, Temperature Sensing Unit and Fault reporting

Electrically isolated DBC substrate with low thermal resistance



Recommended For You

NVMF55C442NLWFAFTIG

ON Semiconductor, LLC

DFN5

NVMF55C426NWFAFTIG

ON Semiconductor, LLC

DFN

NVMF55C628NLWFAFTIG

ON Semiconductor, LLC

DFN

NVMF55C460NLWFAFTIG

ON Semiconductor, LLC

DFN8

NVMF55C404NLWFAFTIG

ON Semiconductor, LLC

DFN8

NVMF55C670NLWFAFTIG

ON Semiconductor, LLC

DFN5

NVMF55C673NLWFAFTIG

ON Semiconductor, LLC

QFN8

NVMF55C604NLWFAFTIG

ON Semiconductor, LLC

DFN8

NVMF55C645NLWFAFTIG

ON Semiconductor, LLC

DFN5

NFAQ1060L36T

ON Semiconductor, LLC

DIP

NFAM2065L4BT

ON Semiconductor, LLC

DIP

NFAM2012L5BT

ON Semiconductor, LLC

DIP-39

NVMF55C450NWFAFTIG

ON Semiconductor, LLC

DFN-5

NVMF55C442NWFAFTIG

ON Semiconductor, LLC

DFN8

NVMF55C423NLWFAFTIG

ON Semiconductor, LLC

DFN8