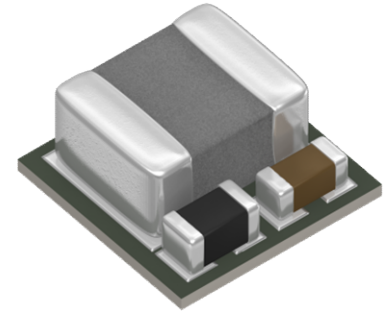


# FS1406-KIT

## μPOL™ Embedded DC-DC Converter Sample Kit

### PRODUCT HIGHLIGHTS

- μPOL™ technology includes inductor in a thermally enhanced package
- Small size of 3.3 mm x 3.3 mm with a height of 1.5mm
- Plug & play (no external compensation required)
- Digital Communication, I2C Serial Bus
- Scalable output current, same footprint
- Wide input voltage range (2.5 – 16V)
- Adjustable output voltage, ±0.5% initial accuracy
- -40° to +125°C Operating Temperature



### APPLICATION EXAMPLES

- Network storage: Enterprise SSD / Storage\_Area\_Network
- Servers: main stream server, rack and blade server, micro server, HW accelerators, machine/deep learning, Edge
- Industrial / medical / automotive: embedded processing - FPGA/SoC/DSP, AI inference, autonomous, imaging, radar, security, machine vision, instrumentation
- NetComms and TeleComms: Ethernet switch, router, 5G, MIMO, video headends

#### FS1406-KIT Contents

TDK Part Number	Description	Quantity
FS1406-0700-AS	TDK μPOL Power Module, 0.70V, up to 6A	5 pcs
FS1406-0750-AS	TDK μPOL Power Module, 0.75V, up to 6A	5 pcs
FS1406-0800-AS	TDK μPOL Power Module, 0.80V, up to 6A	5 pcs
FS1406-0900-AS	TDK μPOL Power Module, 0.90V, up to 6A	5 pcs
FS1406-1000-AS	TDK μPOL Power Module, 1.00V, up to 6A	5 pcs
FS1406-1050-AS	TDK μPOL Power Module, 1.05V, up to 6A	5 pcs
FS1406-1100-AS	TDK μPOL Power Module, 1.10V, up to 6A	5 pcs
FS1406-1200-AS	TDK μPOL Power Module, 1.20V, up to 6A	5 pcs
FS1406-1800-AS	TDK μPOL Power Module, 1.80V, up to 6A	5 pcs
FS1406-2500-AS	TDK μPOL Power Module, 2.50V, up to 6A	5 pcs
FS1406-0600-AS	TDK μPOL Power Module, 0.60V, up to 6A	5 pcs

### DESIGN RESOURCES

- [μPOL™ Product Portal](#)
- [FS1406 Datasheet](#)
- [Power Solutions for FPGA / SoC / ASIC](#)
- [micro-POL Technology at TDK Video](#)

