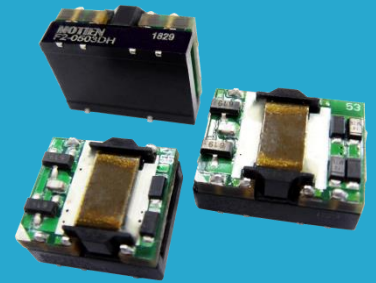


The Extension of Open Frame SMD Series



MOTIEN TECHNOLOGY is proud to present the new 2W SMD DC/DC Converter – F2-2W Series



F1/ F2 Series are developed and designed with the construction of new transformer technology that no workmanship of coil winding is required. With such features, the consideration of actable factors of transformer can be eliminated.

F1 / F2 Series perform superior characteristics in operating temperature range, EMC, Mechanical strength which fits the requirements of various application : Automation , device for IOT , Industries equipmentetc.

F1/ F2 Series are provided with optional packages : packing tube (Single Output 40 pieces / Tube ; Dual Output 30 pieces / Tube) and Tape/Reel packing (Single Output 500 pieces / Reel ; Dual Output 450 pieces / Reel).

Awesome Features

Ultra Compact SMD Package

Single Output : 12.7 x 11.2 x 6.85 mm
Dual Output: 15.24 x 11.2 x 6.85 mm

High Isolation Voltage

Input to Output: 4200 VDC
Working Voltage of 250Vrms or 400 VDC

Extended Operating Temp

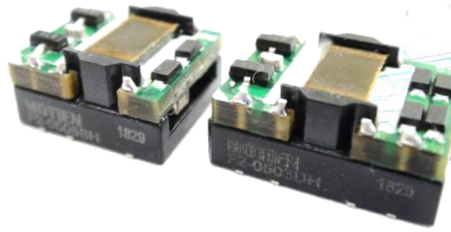
Offer from -40 °C to +105 °C (Derating)



MOTIEN TECHNOLOGY CO., LTD.

[Http://www.motien.com.tw](http://www.motien.com.tw) [Http://www.motien-power.asia](http://www.motien-power.asia)





F2 - 2W Unregulated Single & Dual Output Open Frame SMD Package DC/DC Converter

Feature:

- ✓ F2 series withstands an isolation voltage of 4200Vdc in SMD 8 PIN single output models and SMD 10 PIN dual output models.
- ✓ EMC meets EN55032 Class B.
- ✓ Rated working voltage for functional insulation is 250Vrms and 400Vdc.
- ✓ Extended -40 °C till 105 °C operating temperature range with full power output till 85 °C.
- ✓ Vibration test result meets MIL-STD-810F.
- ✓ Moisture Sensitivity Level (MSL) Test Report is compliance with IPC/JEDEC J-STD-020D.1 Level 1 with peak 245 °C / 10 SEC. Max. Qualified for Lead-free Reflow Soldering Process.
- ✓ F2-2W Series performs superior characteristics in operating temperature range, EMC, Mechanical strength which fits the requirements of various applications: Automation, IOT... etc

Model List:

MODEL NUMBER	Voltage Range (Vdc)	No-Load (mA, max.)	Full Load (mA, typ.)	Voltage (Vdc)	Full load (mA)	@FL (% , typ.)	Load @FL (μF, max.)
F2-0303SH	3.3 (2.97 ~ 3.63)	60	650	3.3	500	77	470
F2-0305SH	3.3 (2.97 ~ 3.63)	60	777	5	400	78	470
F2-0503SH	5 (4.5 ~ 5.5)	45	446	3.3	500	76	470
F2-0505SH	5 (4.5 ~ 5.5)	45	513	5	400	78	470
F2-0303SH-R	3.3 (2.97 ~ 3.63)	60	650	3.3	500	77	470
F2-0305SH-R	3.3 (2.97 ~ 3.63)	60	777	5	400	78	470
F2-0503SH-R	5 (4.5 ~ 5.5)	45	446	3.3	500	76	470
F2-0505SH-R	5 (4.5 ~ 5.5)	45	513	5	400	78	470
F2-0303DH	3.3 (2.97 ~ 3.63)	60	798	±3.3	±303	78	±220
F2-0305DH	3.3 (2.97 ~ 3.63)	60	758	±5	±200	80	±220
F2-0503DH	5 (4.5 ~ 5.5)	45	541	±3.3	±303	76	±220
F2-0505DH	5 (4.5 ~ 5.5)	45	494	±5	±200	81	±220
F2-0303DH-R	3.3 (2.97 ~ 3.63)	60	798	±3.3	±303	78	±220
F2-0305DH-R	3.3 (2.97 ~ 3.63)	60	758	±5	±200	80	±220
F2-0503DH-R	5 (4.5 ~ 5.5)	45	541	±3.3	±303	76	±220
F2-0505DH-R	5 (4.5 ~ 5.5)	45	494	±5	±200	81	±220

* "-R" Stands for packed with Tape & Reel.

