

Product Typical Features

- ◆ Wide input voltage range (4:1), Output Power 10W
- ◆ Transfer Efficiency up to 88%
- ◆ Stand-by Power Consumption as low as 0.020W
- ◆ Output super-fast start up
- ◆ Continuous Short Circuit protection, Self-recovery
- ◆ Input under voltage, output over voltage, short circuit, over current protection
- ◆ Switching Frequency 250KHz
- ◆ Isolation Voltage 1500VDC
- ◆ Operating Temperature: -40°C~+85°C
- ◆ Good EMI performance
- ◆ International standard pin-out



Test Condition: Unless otherwise specified, data in the datasheet should be tested under the conditions of inputting nominal voltage, pure resistance rated load and Ta=25°C.

Application Field

FD10-XXDXXA3(C) is a newly designed DIP 1X1 packed, 10W output power, ultra wide input range 4:1, low stand-by power consumption, isolated regulated output DC-DC converter, could be widely used for industrial control, instrument, communication, power electricity, internet of things field.

Typical Product List

Part No	Input Voltage Range (VDC)		Output Voltage/Current (Vo/Io)		Input Current (mA) Nominal Voltage		Max. Capacitive Load	Ripple & Noise		Efficiency (%)@output full load, input nominal voltage	
	Nominal	Range	Voltage (VDC)	Current (mA) MAX./Min.	Full load typ.	No Load typ.	uF	mVp-p		Min	Typ
								Typ.	Max.		
*FD10-18D3V3A3(C)	24	9-36	±3.3	±1200/0	413	1	5000	120	140	77	80
*FD10-18D05A3(C)	24	9-36	±5	±1000/0	502	1	3000	120	140	80	83
*FD10-18D09A3(C)	24	9-36	±9	±556/0	490	1	2000	120	140	82	85
FD10-18D12A3(C)	24	9-36	±12	±417/0	474	1	1500	120	140	85	88
FD10-18D15A3(C)	24	9-36	±15	±333/0	484	1	1000	120	140	83	86
*FD10-18D24A3(C)	24	9-36	±24	±208/0	474	1	500	120	140	85	88
*FD10-36D3V3A3(C)	48	18-75	±3.3	±1200/0	207	1	5000	120	140	77	80
*FD10-36D05A3(C)	48	18-75	±5	±1000/0	251	1	3000	120	140	80	83

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