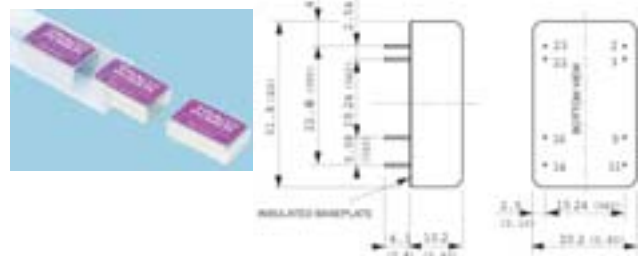


PCB Mounting DC to DC Converter - continued

10 Watt DC/DC Converter THD Series



- Highest power density
- DIL-24 shielded metal case
- Wide 2:1 input range
- Very high efficiency
- Operating temp. range -40°C to +75°C
- Line regulation 1.0% max.
- Load regulation 1.2% max.
- Ripple & noise <85 mVpk-pk (20Mhz Bandwidth)
- Continuous short circuit protection
- Input filter meets EN 55022, Class A
- Industry standard pinout
- 3 year guarantee

Mfrs. List No.	Input Voltage	Voltage Output	Output Current max.	Order Code
THD 10-2409.	18-36V dc	2.5V dc	3000mA	820-6279
THD 10-2410.	18-36V dc	3.3V dc	3000mA	820-6287
THD 10-2411.	18-36V dc	5.1V dc	2000mA	600-4600
THD 10-2412.	18-36V dc	12V dc	835mA	820-6295
THD 10-4809.	36-75V dc	2.5V dc	3000mA	820-6309
THD 10-4810.	36-75V dc	3.3V dc	3000mA	820-6317
THD 10-4811.	36-75V dc	5.1V dc	2000mA	820-6325
THD 10-4812.	36-75V dc	12V dc	835mA	820-6333

385724

Mfrs. List No.	Order Code	1+	5+	10+	25+
THD 10-2409.	820-6279	3,250.00	3,019.00	2,817.00	2,727.00
THD 10-2410.	820-6287	3,250.00	3,019.00	2,817.00	2,727.00
THD 10-2411.	600-4600	2,623.00	--	--	--
THD 10-2412.	820-6295	3,141.00	2,917.00	2,723.00	2,636.00
THD 10-4809.	820-6309	3,250.00	3,019.00	2,817.00	2,727.00
THD 10-4810.	820-6317	3,250.00	3,019.00	2,817.00	2,727.00
THD 10-4811.	820-6325	3,141.00	2,917.00	2,723.00	2,636.00
THD 10-4812.	820-6333	3,141.00	2,917.00	2,723.00	2,636.00

10-40W Industry Standard

Single, Dual and Triple Output



- Single, Dual and Triple output 10-20W (PXD Series), 20-30W (PXE Series) and 40W (PXF Series) DC/DC converters
- Industry standard 2"x1" footprint (PXD series), 2"x1.6" (PXE Series), 2"x2" (PXF Series)
- Six sided shielding
- Agency approval
- Nominal 12V, 24V and 48V inputs
- Up to 4:1 input range available
- Applications include Telecom, Datacom and Point of Load

Output Voltage (V)	Output Current (A)	Output Power (W)	Input Voltage (V)	Efficiency (%)	Mfrs. List No.	Order Code
Single Output						
5	2.0	10W	9 - 36	80	PXD10-24WS-05	108-5902
12	0.83	10W	9 - 36	82	PXD10-24WS-12	121-6320
15	0.67	10W	9 - 36	80	PXD10-24WS-15	108-5904
5	4.0	20W	9 - 36	79	PXE20-24WS-05	108-5907
12	1.67	20W	9 - 36	81	PXE20-24WS-12	108-5908
15	1.33	20W	9 - 36	81	PXE20-24WS-15	108-5909
5	6.0	30W	9 - 18	87	PXE30-12S-05	108-5912
12	2.5	30W	9 - 18	88	PXE30-12S-12	108-5913
15	2.0	30W	9 - 18	88	PXE30-12S-15	108-5914
5	6.0	30W	18 - 36	88	PXE30-24S-05	108-5915
12	2.5	30W	18 - 36	89	PXE30-24S-12	108-5916
Dual Output						
±12	±0.416	10W	9 - 36	80	PXD10-24WD-12	108-5905
±12	±0.833	20W	9 - 36	81	PXE20-24WD-12	108-5910
±15	±0.666	20W	9 - 36	82	PXE20-24WD-15	108-5911
±12	±1.25	30W	9 - 18	87	PXE30-12D-12	108-5917
±15	±1.0	30W	18 - 36	88	PXE30-24D-15	108-5919
Triple Output						
5,±12	6.0,±0.40	40W	9 - 18	85	PXF40-12T05-12	108-5921
5,±12	6.0,±0.40	40W	18 - 36	87	PXF40-24T05-12	108-5922

419155

Mfrs. List No.	Order Code	1+	5+	10+	25+
Single Output					
PXD10-24WS-05	108-5902	3,619.00	3,480.00	3,353.00	3,231.00
PXD10-24WS-12	121-6320	3,619.00	3,480.00	3,353.00	3,231.00
PXD10-24WS-15	108-5904	3,619.00	3,480.00	3,353.00	3,231.00
PXE20-24WS-05	108-5907	4,344.00	4,176.00	4,022.00	3,878.00
PXE20-24WS-12	108-5908	4,344.00	4,176.00	4,022.00	3,878.00
PXE20-24WS-15	108-5909	4,344.00	4,176.00	4,022.00	3,878.00
PXE30-12S-05	108-5912	6,234.00	5,994.00	5,772.00	5,566.00
PXE30-12S-12	108-5913	6,234.00	5,994.00	5,772.00	5,566.00
PXE30-12S-15	108-5914	6,234.00	5,984.00	5,772.00	5,566.00
PXE30-24S-05	108-5915	6,234.00	5,994.00	5,772.00	5,566.00
PXE30-24S-12	108-5916	6,234.00	5,994.00	5,772.00	5,566.00
Dual Output					
PXD10-24WD-12	108-5905	3,821.00	3,674.00	3,538.00	3,412.00
PXE20-24WD-12	108-5910	4,926.00	4,738.00	4,562.00	4,399.00
PXE20-24WD-15	108-5911	4,926.00	4,738.00	4,562.00	4,399.00
PXE30-12D-12	108-5917	6,435.00	6,188.00	5,958.00	5,745.00
PXE30-24D-15	108-5919	6,435.00	6,188.00	5,958.00	5,745.00
Triple Output					
PXF40-12T05-12	108-5921	7,441.00	7,154.00	6,889.00	6,643.00
PXF40-24T05-12	108-5922	7,441.00	7,154.00	6,889.00	6,643.00

12W DC/DC Converters

Single and Dual Output



W=50.8, H=11.94, D=50.8mm

- Low cost single and dual outputs
- Wide input voltage
- Input filter built in
- Short circuit proof
- High efficiency up to 82%
- Operating temperature -25 to +71°C
- No derating
- 2" x 2" metal case
- Emissions EN55022 Level B safety EN60950

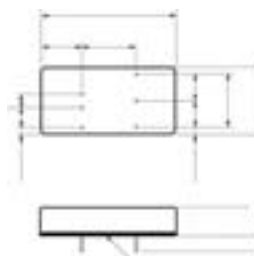
For full specification and pin out details contact our Data Department.

List No.	(nominal) Vin	Output 1	Output 2	Order Code
FDD12-05S4	24V dc 10-36V dc	5V dc 2.4A	-	118-1174
FDD12-12S4	24V dc 10-36V dc	12V dc 1A	-	118-1176
FDD12-05D4	24V dc 10-36V dc	5V 1.2A	-5V -1.2A	118-1173
FDD12-12D4	24V dc 10-36V dc	12V 500mA	-12V -500mA	118-1175

386189

Mfrs. List No.	Order Code	1+	5+	10+	25+
FDD12-05S4	118-1174	2,956.00	2,661.00	2,419.00	2,146.00
FDD12-12S4	118-1176	2,956.00	2,661.00	2,419.00	2,146.00
FDD12-05D4	118-1173	3,264.00	2,937.00	2,671.00	2,369.00
FDD12-12D4	118-1175	3,264.00	2,937.00	2,671.00	2,369.00

TEN-12 Series, 12 Watt



- DC/DC converter in SMD design
- Wide 4:1 input range
- High efficiency
- Indefinite short circuit protection
- Input filter meets EN55022, Class A
- 50x25x10mm shielded metal case
- 3 year manufacturer's warranty

Input Variation ±0.5% Max. Efficiency 82% typ.
 Load Variation ±0.5% Max. Operating Temperature -40°C to +85°C (above 60°C derating 3%/°C)
 Ripple & Noise 50mV pk-pk typ. Safety Standards/Approval EN/IEC 60950, UL/cUL 1950 recognised I/O Isolation

Input Voltage	Output Voltage	Output Current	Mfrs. List No.	Order Code
9 - 36V dc	3.3V dc	2400mA	TEN 12-2410	119-6496
9 - 36V dc	5V dc	2000mA	TEN 12-2411	384-2228
9 - 36V dc	12V dc	1000mA	TEN 12-2412	120-4975
9 - 36V dc	±12V dc	±500mA	TEN 12-2422	120-4976
9 - 36V dc	±15V dc	±400mA	TEN 12-2423	120-4977
18 - 75V dc	3.3V dc	2400mA	TEN 12-4810	119-6497
18 - 75V dc	5V dc	2000mA	TEN 12-4811	120-4979
18 - 75V dc	12V dc	1000mA	TEN 12-4812	120-4980
18 - 75V dc	±12V dc	±500mA	TEN 12-4822	120-4982
18 - 75V dc	±15V dc	±400mA	TEN 12-4823	120-4983

337880

Mfrs. List No.	Order Code	1+	5+	10+	25+
TEN 12-2410	119-6496	3,855.00	3,664.00	3,469.00	3,278.00
TEN 12-2411	384-2228	3,592.00	--	--	--
TEN 12-2412	120-4975	3,584.00	--	--	--
TEN 12-2422	120-4976	3,665.00	--	--	--
TEN 12-2423	120-4977	3,665.00	--	--	--