

		Price Each				
Order Code		1+	5+	10+	25+	+
Single Output	All Order Codes	2,290.00	2,176.00	2,067.00	1,866.00	--
Dual Output	All Order Codes	2,546.00	2,418.00	2,298.00	2,203.00	--

6W DC/DC Converters

Single and Dual Output - FDD05 Series



- Low cost single and dual output converter
- Short circuit proof
- Input filter
- Isolation to 1500V dc
- Load regulation ±2% (±5% dual O/P)
- Line regulation ±1%
- High efficiency up to 75%
- Operating Temperature -25 to +71°C
- 2" by 2" package

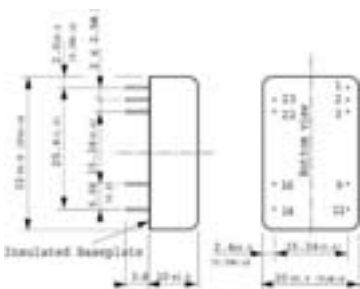
W=50.8, H=11.94, D=50.8mm

Mfrs. List No.	Input Voltage	Output 1	Output 2	Order Code
FDD05-05S1	9 - 18V	5V / 1A	-	809-5698
FDD05-12S1	9 - 18V	12V / 500mA	-	809-5752
FDD05-05S2	18 - 36V	5V / 1A	-	809-5701
FDD05-05S3	36 - 72V	5V / 1A	-	809-5710
FDD05-12D2	18 - 36V	V / 250mA	V / 250mA	809-5736
FDD05-05S	20 - 60V	5V / 1A	-	809-5680
FDD05-12S	20 - 60V	12V / 500mA	-	809-5744
FDD05-05D	20 - 60V	V / 500mA	V / 500mA	809-5671
FDD05-12D	20 - 60V	V / 250mA	V / 250mA	809-5728

386087

		Price Each			
Mfrs. List No.	Order Code	1+	5+	10+	25+
FDD05-05S1	809-5698	1,602.00	1,479.00	1,326.00	1,202.00
FDD05-12S1	809-5752	1,602.00	1,479.00	1,326.00	1,202.00
FDD05-05S2	809-5701	1,602.00	1,479.00	1,326.00	1,277.00
FDD05-05S3	809-5710	1,447.00	1,334.00	1,272.00	1,167.00
FDD05-12D2	809-5736	1,746.00	1,612.00	1,446.00	1,310.00
FDD05-05S	809-5680	1,602.00	1,479.00	1,326.00	1,202.00
FDD05-12S	809-5744	1,447.00	1,334.00	1,272.00	1,167.00
FDD05-05D	809-5671	1,576.00	1,456.00	1,386.00	1,272.00
FDD05-12D	809-5728	1,313.00	1,289.00	1,272.00	--

TEN-8 Series, 8 Watt



- DC/DC convertor in SMD design
- Wide 2:1 input range
- High efficiency
- Indefinite short circuit protection

- Input filter meets EN55022, Class A
- Remote On/Off
- 24-pin metal package
- 3 year manufacturer's warranty

Input Variation	±0.2% Max.
Load Variation	±0.2% Max. (single output models) ±1.0% max. (dual output models)
Ripple & Noise	50mV pk-pk typ. (dual output models 75mV pk-pk)
Efficiency	84% typ.
I/O Isolation	1500V dc
Operating Temperature	-25°C - +85°C, (no derating)
Safety Standards/Approval	EN/IEC 60950, UL/cUL 1950 recognised

Input Voltage	Output Voltage	Output Current	Mfrs. List No.	Order Code
9 - 18V dc	5V dc	1500mA	TEN 8-1211	120-5015
9 - 18V dc	12V dc	665mA	TEN 8-1212	120-5017
9 - 18V dc	±12V dc	±335mA	TEN 8-1222	124-2569
9 - 18V dc	±15V dc	±265mA	TEN 8-1223	120-5021
18 - 36V dc	3.3V dc	2000mA	TEN 8-2410	119-6494
18 - 36V dc	5V dc	1500mA	TEN 8-2411	120-5022
18 - 36V dc	12V dc	665mA	TEN 8-2412	120-5023
18 - 36V dc	±12V dc	±335mA	TEN 8-2422	120-5025
18 - 36V dc	±15V dc	±265mA	TEN 8-2423	120-5026
36 - 75V dc	3.3V dc	2000mA	TEN 8-4810	119-6495
36 - 75V dc	5V dc	1500mA	TEN 8-4811	120-5027
36 - 75V dc	12V dc	665mA	TEN 8-4812	120-5028
36 - 75V dc	±12V dc	±335mA	TEN 8-4822	120-5029

337903

		Price Each			
Mfrs. List No.	Order Code	1+	5+	10+	25+
TEN 8-1211	120-5015	3,108.00	2,952.00	2,797.00	2,733.00
TEN 8-1212	120-5017	2,587.00	2,356.00	2,144.00	1,973.00
TEN 8-1222	124-2569	3,208.00	3,048.00	2,887.00	2,727.00
TEN 8-1223	120-5021	3,208.00	3,048.00	2,887.00	2,727.00
TEN 8-2410	119-6494	3,108.00	2,952.00	2,797.00	2,642.00
TEN 8-2411	120-5022	3,108.00	2,952.00	2,797.00	2,642.00

		Price Each			
Mfrs. List No.	Order Code	1+	5+	10+	25+
TEN 8-2412	120-5023	3,108.00	2,952.00	2,797.00	2,642.00
TEN 8-2422	120-5025	3,217.00	--	--	--
TEN 8-2423	120-5026	3,208.00	3,048.00	2,887.00	2,727.00
TEN 8-4810	119-6495	3,108.00	2,952.00	2,797.00	2,642.00
TEN 8-4811	120-5027	3,108.00	2,952.00	2,797.00	2,642.00
TEN 8-4812	120-5028	3,108.00	2,952.00	2,797.00	2,642.00
TEN 8-4822	120-5029	3,208.00	3,048.00	2,887.00	2,727.00

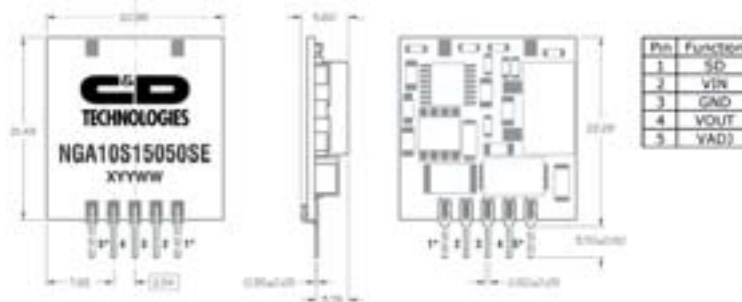
Non-Isolated Wide Input DC/DC Converter

NGA Series



- Industry standard footprint
- Short circuit protection
- Efficiency to 95%
- Wide input range
- 5V output
- Line regulation 0.2% typ. 0.5% max.
- Load regulation 1.5% typ. 2.0% max.

- Ripple & noise <40 mVpk-pk typ. 70 mVpk-pk max. (20Mhz Bandwidth)
- Operating temperature range -40°C to 85°C
- SMD construction



Nominal Voltage	Voltage Output	Output Current Min. Load	Output Current Full Load	Dimensions (WxHxD)	Mfrs. List No.	Order Code
15V dc (7 - 28V dc)	5.0V dc	0.0A	2.0A	21x21.5x5.6	NGA10S15050SC	117-5766

385998

		Price Each			
Mfrs. List No.	Order Code	1+	10+	25+	50+
NGA10S15050SC	117-5766	1,526.00	1,495.00	1,466.00	1,436.00

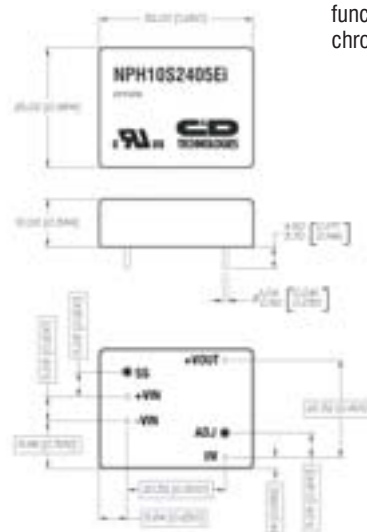
Isolated 10W Single Output DC/DC Converters

NPH10S Series



- Surge rating to 12W
- Output voltage adjust
- Versatile control options
- Uses no electrolytic capacitors
- Fixed frequency
- High efficiency
- Operation to zero load
- Industry standard pinout
- NPH10S "EI" range offers two additional pins with the functionalities of voltage trim, remote on/off and synchronisation

Nominal Input Voltage	24 & 48V
Input Voltage Range	18-36 & 36-72V
Load Voltage Regulation	1% (max)
Output Ripple & Noise	70mV (typ.)
Efficiency	79-87%
Operating Temperature	110° (case)



Nominal Input Voltage	Output Voltage	Output Current	Dimensions (WxHxD)	Mfrs. List No.	Order Code
24V dc	3.4V dc	2.94A	32x10x25	NPH10S2403Ci	117-5761
24V dc	5.1V dc	1.96A	32x10x25	NPH10S2405EiCi	117-5755
24V dc	5.1V dc	1.96A	32x10x25	NPH10S2405Ci	117-5763
24V dc	12.1V dc	0.83A	32x10x25	NPH10S2412Ci	117-5764

386109

		Price Each			
Mfrs. List No.	Order Code	1+	10+	25+	50+
NPH10S2403Ci	117-5761	2,261.00	2,201.00	2,139.00	2,062.00
NPH10S2405EiCi	117-5755	2,051.00	--	--	--
NPH10S2405Ci	117-5763	2,261.00	2,201.00	2,139.00	2,062.00
NPH10S2412Ci	117-5764	2,261.00	2,201.00	2,139.00	2,062.00

Power Supplies & DC to DC Convertors

20

Compliant Non-compliant + Limited stock - RoHS replacement available

637

300,000 products, stocked and ready to despatch