

DX Series

1.5 WATTS SINGLE OUTPUT DC/DC INDUSTRIAL

Features

- Resistance controllable
- Low EMI/RFI sinewave oscillator
- Small size
- Short circuit protection
- Low cost/high performance



Specifications

INPUT

Voltage	12VDC (–5%, +10%).
Current	<400mA full load.

OUTPUT

Power	1.5W.
Voltage	See table.
Current	See table.
Ripple	2%.
Voltage control	Connect 5K potentiometer with wiper arm to orange wire. Connect remaining potentiometer lead to black wire.

ENVIRONMENTAL

Operating temperature	–10°C to +50°C.
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GENERAL

Dimensions	95.3 x 38.1 x 25.4 mm.
Weight	198g.
Packaging	Fully encapsulated.
Case material	Glass-filled Epoxy.
HV output lead	#22 AWG, 30KV, Silicone.

OPTIONS

24V input	Consult your local Powerbox office.
Input/output connectors	
Input/output isolation	
Voltage monitor	

STANDARDS

WIRE COLOR	AWG	FUNCTION
Red	22	(+)Input
Black	22	Ground (input output)
Orange	22	Voltage control
30KV Silicon	22	HV output

Selection Table

MODEL NUMBER*	OUTPUT VOLTAGE	OUTPUT*) CURRENT
DX100	1.5kV to 10kV	100uA
DX100N	–1.5kV to 10kV	100uA
DX120	1.8kV to 12kV	100uA
DX120N	–1.8kV to 12kV	100uA
DX150	2.5kV to 15kV	100uA
DX150N	–2.5kV to 15kV	100uA
DX200	3kV to 20kV	75uA
DX200N	–3kV to 20kV	75uA
DX250	4kV to 25kV	75uA
DX250N	–4kV to 25kV	75uA

Technical Illustration

