

DX Series

1.5 WATTS - DC/DC SINGLE OUTPUT

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

C-Tick	AS/NZS CISPR11 Group 1 Class A
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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

