

E Series

1.5-3 WATTS - DC/DC SINGLE & MULTIPLE OUTPUT

FEATURES

- Low ripple
- Low EMI/RFI
- Proportional input/output
- Exceptional reliability
- Compact, PCB mount package



SPECIFICATIONS

INPUT	
Voltage	See table.
Typical turn-on voltage	0.7V.

OUTPUT	
Power	3W.
Voltage	See table.
Current	See table.
Ripple	See table.
Isolation	3,500V +Vout.
Efficiency	>60% typ.
Regulation	10% typ.

ENVIRONMENTAL	
Operating temperature	-10°C to +60°C.

GENERAL	
Dimensions	38 x 64 x 22 mm.
Weight	85g.
Packaging	Epoxy encapsulated.
Case material	Glass-filled Epoxy.
HV output lead	#22 AWG, 30KV, Silicon.

OPTIONS	
External mounting box	Consult your local Powerbox office.

Output center tap

Mounting holes

Alternate pin patterns available

PIN#	FUNCTION
1	(+)Input
2	(-)Input
3	(+)Output
4	(-)Output

SELECTION TABLE

MODEL RIPPLE NO.	INPUT CURRENT	INPUT CURRENT	INPUT VOLTAGE	OUTPUT VOLTAGE	OUTPUT CURRENT	
	(NO LOAD)	(FULL LOAD)				
E01	<175mA	<425mA	0 to 12V	0 to ±100V	30mA	0.10%
E02	<125mA	<400mA	0 to 12V	0 to ±200V	15mA	0.25%
E02-5	<125mA	<400mA	0 to 12V	0 to ±250V	12mA	0.02%
E03	<125mA	<400mA	0 to 12V	0 to ±300V	10mA	0.01%
E05	<150mA	<400mA	0 to 12V	0 to ±500V	6mA	0.02%
E06	<175mA	<400mA	0 to 12V	0 to ±600V	5mA	0.02%
E10	<125mA	<400mA	0 to 12V	0 to ±1000V	3mA	0.02%
E15	<125mA	<400mA	0 to 12V	0 to ±1500V	2mA	0.02%
E20	<175mA	<425mA	0 to 12V	0 to ±2000V	1.5mA	0.25%
E30	<175mA	<400mA	0 to 15V	0 to ±3000V	1mA	0.25%
E40	<175mA	<400mA	0 to 15V	0 to ±4000V	0.75mA	0.5%
E50	<175mA	<400mA	0 to 15V	0 to ±5000V	0.6mA	0.5%
E60	<175mA	<400mA	0 to 15V	0 to ±6000V	0.5mA	0.5%
E70	<175mA	<350mA	0 to 15V	0 to ±7000V	0.43mA	1%
E80	<175mA	<300mA	0 to 15V	0 to ±8000V	0.25mA	1%
E101	<175mA	<300mA	0 to 15V	0 to ±10000V	0.2mA	1.5%
E121	<175mA	<300mA	0 to 15V	0 to ±12000V	0.16mA	1.5%

TECHNICAL ILLUSTRATION

