E Series

1.5-3 WATTS SINGLE & DUAL OUTPUT DC/DC INDUSTRIAL

Features

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



Specifications

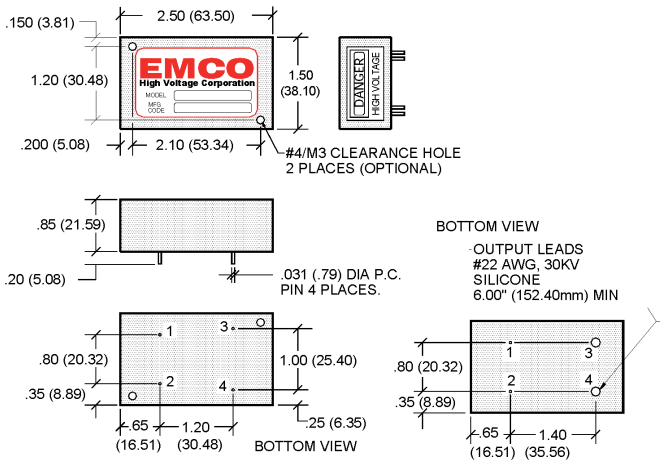
INPUT	
Voltage	See table.
Typical turn-on voltage	0.7V.
OUTPUT	
Power	3W.
Voltage	See table.
Current	See table.
Ripple	See table.
Isolation	3,500V +Vout.
Efficiency	>60% typ.
Regulation	10% typ.
ENVIRONMENTAL	
Operating temperature	–10°C to +60°C.
GENERAL	
Dimensions	38 x 64 x 22 mm.
Weight	85g.
Packaging	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 NO.	RIPPLE	INPUT CURRENT (NO LOAD)	INPUT CURRENT (FULL LOAD)	INPUT VOLTAGE	OUTPUT VOLTAGE	OUTPUT CURRENT	
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



powerbox