

MIL Electronics, Inc.

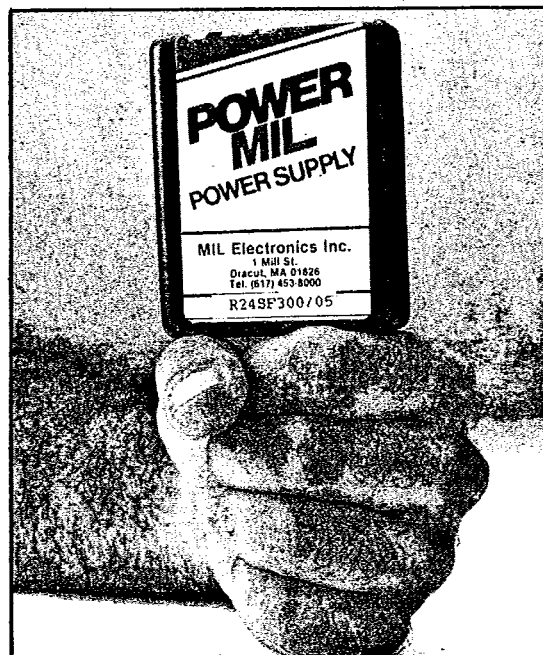
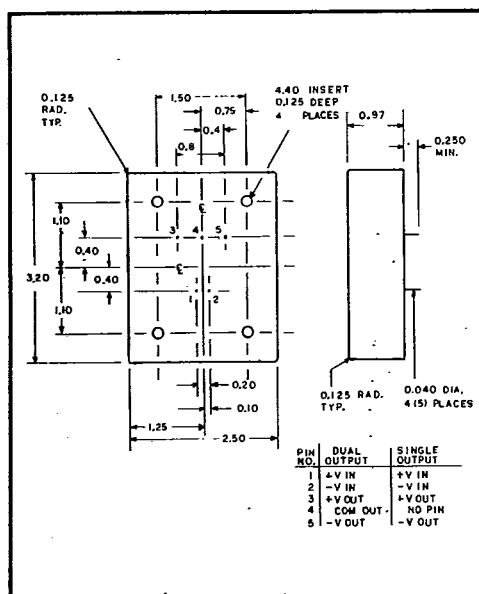
Commercial Products Group

Encapsulated DC to DC Converters

TM

Computer perfected power

HIGH VOLTAGE 15 WATT REGULATED SUPPLY R SERIES



R SERIES DUAL OUTPUT UNITS

Input Voltage	Output Voltage	Output Current	Model No.	Input Voltage	Output Voltage	Output Current	Model No.
10 to 24 VDC	± 50 VDC	150 mA	R12DF50/15	20 to 40 VDC	± 50 VDC	150 mA	R24DF50/15
10 to 24 VDC	± 125 VDC	60 mA	R12DF125/06	20 to 40 VDC	± 125 VDC	60 mA	R24DF125/06
10 to 24 VDC	± 250 VDC	30 mA	R12DF250/03	20 to 40 VDC	± 250 VDC	30 mA	R24DF250/03
10 to 24 VDC	± 375 VDC	21 mA	R12DF375/021	20 to 40 VDC	± 375 VDC	21 mA	R24DF375/021
10 to 24 VDC	± 500 VDC	15 mA	R12DF500/015	20 to 40 VDC	± 500 VDC	15 mA	R24DF500/015
10 to 24 VDC	± 600 VDC	12 mA	R12DF600/012	20 to 40 VDC	± 600 VDC	12 mA	R24DF600/012
10 to 24 VDC	± 700 VDC	10.5 mA	R12DF700/010	20 to 40 VDC	± 700 VDC	10.5 mA	R24DF700/010
10 to 24 VDC	± 800 VDC	9 mA	R12DF800/009	20 to 40 VDC	± 800 VDC	9 mA	R24DF800/009
10 to 24 VDC	± 900 VDC	8.4 mA	R12DF900/008	20 to 40 VDC	± 900 VDC	8.4 mA	R24DF900/008

Other input/output voltages available — consult factory

• GENERAL SPECIFICATIONS

Regulation	
line	3%
load (10% to full)	3%
Ripple	1% p-p
Operating Frequency	60 KHz
Efficiency	75% Typ.
Voltage Accuracy Full Load	5% Typ
Input PI Filter	
Short Circuit Protection	Continuous

• ISOLATION

Input/Output Capacitance	50 pf
Input/Output Resistance	1x10 ⁹ Ohms min.
Voltage	
Input-Case	V out + 500 VDC
Output-Case	V out + 500 VDC
Input-Output	V out + 500 VDC

1 Mill Street, Dracut, MA 01826 • (508) 453-8000 • Telex 4998157 • FAX (508) 957-6761

R SERIES 15 WATT DC/DC CONVERTER SINGLE OUTPUT UNITS

Input Voltage	Output Voltage	Output Current	Model No.
10 to 24 VDC	100 VDC	150 mA	R12SF100/15
10 to 24 VDC	250 VDC	60 mA	R12SF250/06
10 to 24 VDC	500 VDC	30 mA	R12SF500/03
10 to 24 VDC	750 VDC	21 mA	R12SF750/021
10 to 24 VDC	1000 VDC	15 mA	R12SF1000/015
10 to 24 VDC	1200 VDC	12 mA	R12SF1200/012
10 to 24 VDC	1400 VDC	10.5 mA	R12SF1400/010
10 to 24 VDC	1600 VDC	9 mA	R12SF1600/009
10 to 24 VDC	1800 VDC	8.4 mA	R12SF1800/008
20 to 40 VDC	100 VDC	150 mA	R24SF100/15
20 to 40 VDC	250 VDC	60 mA	R24SF250/06
20 to 40 VDC	500 VDC	30 mA	R24SF500/03
20 to 40 VDC	750 VDC	21 mA	R24SF750/021
20 to 40 VDC	1000 VDC	15 mA	R24SF1000/015
20 to 40 VDC	1200 VDC	12 mA	R24SF1200/012
20 to 40 VDC	1400 VDC	10.5 mA	R24SF1400/010
20 to 40 VDC	1600 VDC	9 mA	R24SF1600/009
20 to 40 VDC	1800 VDC	8.4 mA	R24SF1800/008

Other input / output voltages available — consult factory.

• GENERAL SPECIFICATIONS

Regulation

- line 3%
- load (10% to full) 3%

Ripple 1% p-p

Operating Frequency 60 KHz

Efficiency 75% Typ.

Voltage Accuracy 5% Typ

Input PI Filter

Short Circuit Protection Continuous

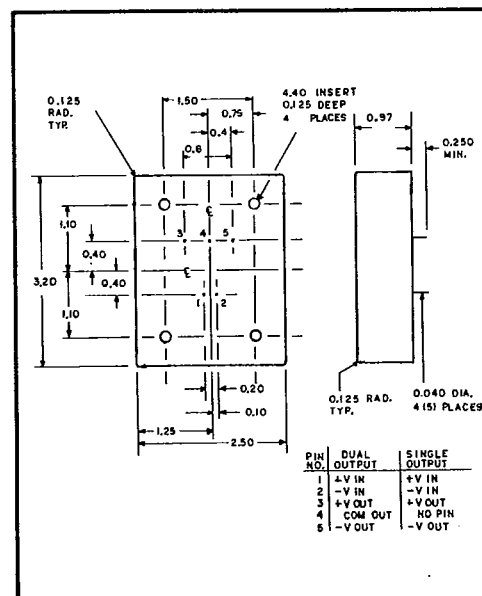
• ISOLATION

Input/Output Capacitance 50 pf

Input/Output Resistance 1×10^9 Ohms min.

Voltage

- Input-Case V out + 500 VDC
- Output-Case V out + 500 VDC
- Input-Output V out + 500 VDC



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