

Features :

- 2:1 & 4:1, 9V ~ 75V Input Range
- Regulated Output
- High Efficiency
- Short Circuit Protection
- Over Voltage Protection
- 24Pin DIP with Industry Standard Package and Pinout
- 2 Years Warranty



Model List

Model Number	Input Voltage (VDC)	Output Voltage (VDC)	Output Current (mA)	Efficiency @Max.Load % (Typ.)
JF08-05S3V3	4.5~9	3.3	1600	71
JF08-05S05V		5	1600	74
JF08-05S12V		12	660	75
JF08-05S15V		15	530	75
JF08-05D05V		±5	±800	74
JF08-05D12V		±12	±330	76
JF08-05D15V		±15	±260	78
JF08-12S3V3		9~18	3.3	1600
JF08-12S05V	5		1600	75
JF08-12S12V	12		660	81
JF08-12S15V	15		530	81
JF08-12D05V	±5		±800	75
JF08-12D12V	±12		±330	78
JF08-12D15V	±15		±260	80
JF08-24S3V3	18~36		3.3	1600
JF08-24S05V		5	1600	82
JF08-24S12V		12	660	82
JF08-24S15V		15	530	80
JF08-24D05V		±5	±800	79
JF08-24D12V		±12	±330	82
JF08-24D15V		±15	±260	82
JF08-48S3V3		36~75	3.3	1600
JF08-48S05V	5		1600	77
JF08-48S12V	12		660	82
JF08-48S15V	15		530	83
JF08-48D05V	±5		±800	77
JF08-48D12V	±12		±330	82
JF08-48D15V	±15		±260	80
JF08-412S3V3	9~36		3.3	1600
JF08-412S05V		5	1600	75
JF08-412S12V		12	660	78
JF08-412S15V		15	530	80
JF08-412D05V		±5	±800	70
JF08-412D12V		±12	±330	78
JF08-412D15V		±15	±260	79
JF08-424S3V3		18~75	3.3	1600
JF08-424S05V	5		1600	78
JF08-424S12V	12		660	79
JF08-424S15V	15		530	81
JF08-424D05V	±5		±800	77
JF08-424D12V	±12		±330	80
JF08-424D15V	±15		±260	80

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Input Specifications

Input Filter		C Type
Surge Voltage (100ms max.)	12Vin Models:	25V max.
	24Vin Models:	50V max.
	48Vin Models:	100V max.

Output Specifications

Output Power		8W max.
Voltage Set Accuracy		±2%
Line Regulation (Low Line, High Line at Full Load)		±0.5%
Load Regulation (0% to 100% Full Load)	Single:	±0.5%
	Dual:	±2%
Ripple and Noise (20MHz Bandwidth)	3.3, 5VDC Models:	80mVpk-pk max.
	Others Models:	1%Voutpk-pk max.
Short Circuit Protection		Indefinite (Automatic Recovery)
Minimum Load		0%
Capacitive Load	3.3 Vout Models:	4000µF max.
	5 Vout Models:	2800µF max.
	12 Vout Models:	550µF max.
	15 Vout Models:	340µF max.
	±5 Vout Models:	1400µF max. (Each Output)
	±12 Vout Models:	270µF max. (Each Output)
	±15 Vout Models:	170µF max. (Each Output)

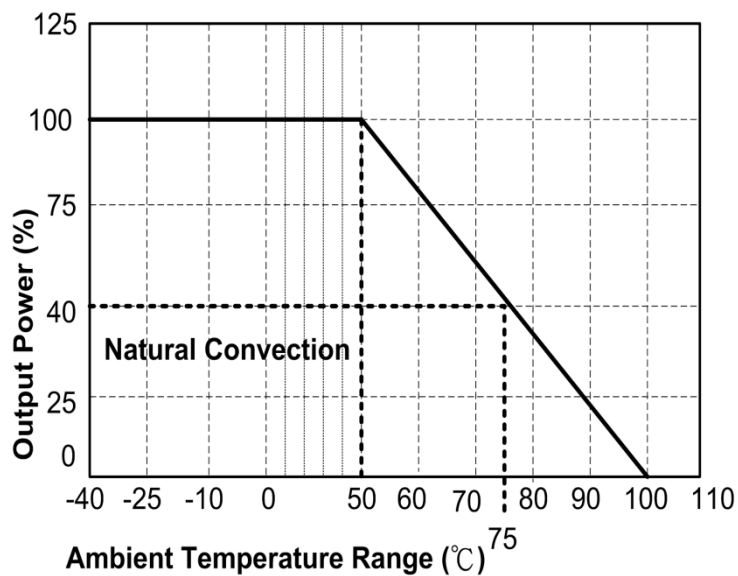
Environmental Specifications

Operating Temperature Range (Ambient)		-40°C to +75°C (with Derating)
Maximum Case Temperature		+95°C
Storage Temperature Range		-55°C to +115°C
Cooling		Free-air Convection
Temperature Coefficient		±0.05%/ °C max.
Humidity		95%

General Specifications

Input Voltage Variation, dv/dt		Max. 5V
Over Load Protection (% of Full Load at Nominal Vin)		>110% typ.
Overvoltage Protection (Single)		Zener Diode Clamp
MTBF(MIL-HDBK-217F, at +25°C, Ground Benign)		>7×10 ⁵ Hours
Isolation Voltage (60 sec.)	Input/Output:	1500VDC
Isolation Capacitance	Input/Output:	470pF typ.
Isolation Resistance	Input/Output(500VDC):	>1000Mohm
Switching Frequency (Fixed)		300kHz typ. (Pulse Width Modulation PWM)
Safety Standards		CE Class A, UL Compliance
Conducted Noise		EN55022 EN55024

Derating Graph

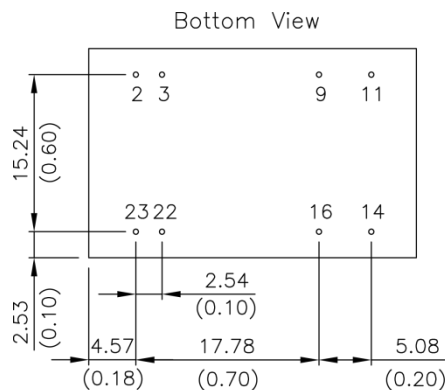


If you need more detailed information,
please contact us via email at sales@mail.longsun.tw

Physical Specifications

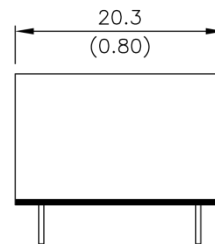
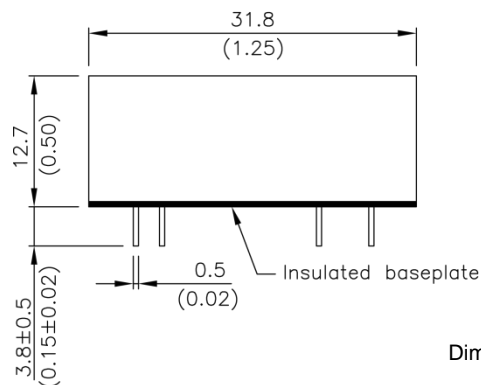
Case Material	Non-Conductive Black Plastic
Baseplate Material	Non-Conductive Base FR4
Potting	Flammability to UL94V-0
Dimensions	1.25"x0.8"x0.5"
Weight	18g(0.34oz)
Soldering Temperature	max. 260°C/10s
Environmental Compliance Certification	Reach RoHS

Outline Dimensions



Pin Connections

Pin	Single	Dual
22&23	+Vin	+Vin
2&3	-Vin	-Vin
9	NC	Common
11	NC	-Vout
14	+Vout	+Vout
16	-Vout	Common



Dimensions in [mm], () = Inch

Notes

1. All specifications are typical at $T_a=25^{\circ}\text{C}$, nominal input voltage, resistive load and rated output current unless otherwise noted.
2. All specifications are subject to change without notice.
3. Typical value is measured at nominal input voltage and no load.
4. Maximum value is measured at nominal input voltage and full load.
5. Typical value is measured at nominal input voltage and full load.

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