

Features

- Industry standard “Eighth-Brick” footprint
- Up to 30A output current
- High efficiency up to 94%
- Low output ripple and noise
- Excellent thermal performance
- Adjustable output voltage(-20%~+10%Vo)
- IUVP, OVP, OTP,OCP, SCP
- RoHS2.0



General Specifications

Input Characteristics

Parameter	Specifications
Input voltage Note①	36-75Vdc
	18-60Vdc
	18-36Vdc
	18-75Vdc
	-57~-26Vdc
Remote Control Note②	Positive(Blank),Negative(P)

Output Characteristic

Parameter	Specifications
Output power Note①	33-300W 注①
Output voltage Note①	3.3/5//6/12/24/28/50Vdc 注①
Output voltage precision	±2%
Output voltage trim logic Note②	Positive(S), Negative(Blank)
Output voltage adjustment range	-20%~+10%Vo
Line regulation	±0.2%
Load regulation	±0.5%
Dynamic response	±5%Vo/250us@25%-50%-75% Io(max.) di/dt=2.5A/μs
Ripple and noise	100mV(typ.)

Note① Refer to order-information list in the following page for specific values of input and output

Note② Refer to the production naming rules

General Characteristics

Parameter	Specifications
Efficiency	94%(max.)
Operating ambient temperature	-40℃~+85℃
Storage temperature	-55℃~+125℃
Switching Frequency	202-390kHz
Temperature coefficient	200PPM
Isolation voltage	1500Vdc
Isolation resistance	10MΩ (min.)
Safety	IEC/UL/EN 60950-1, GB4943
MTBF	2Mhours min. Telcordia SR332 Issue 3, 40℃
Packaging	Through-Hole

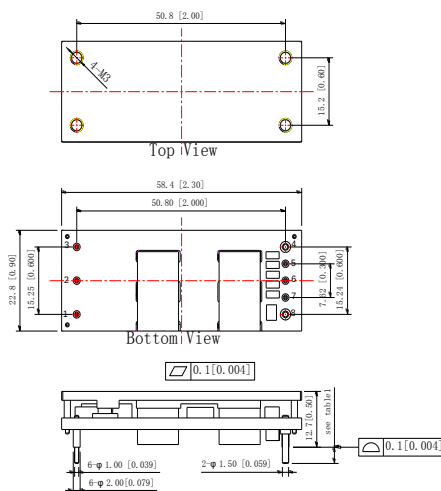
Protection Characteristic

Parameter	Specifications
Input under voltage protection	Yes
Output over voltage protection	Hiccup mode Automatic recovery
Over current protection	Hiccup mode Automatic recovery
Short circuit protection	Hiccup mode Automatic recovery
Over temperature protection	Hiccup mode Automatic recovery

Order information

MPN	Input voltage	Output voltage	Output current	Power	Efficiency
LDFE50-48S3V3PS	36-75Vdc	3.3Vdc	10A	33	90%
LDFE75-48S3V3PS	36-75Vdc	3.3Vdc	15A	49.5	92%
LDFE50-48S12CPS	36-72Vdc	12Vdc	4A	50	89%
LDFE50-48S12PS	36-75Vdc	12Vdc	4A	50	91%
LDFE50-48S12WPS	18-60Vdc	12Vdc	4A	50	89.5%
LDFE50-48S15PS	36-72Vdc	15Vdc	3.5A	50	91%
LDFE50-48S5CS	36-75Vdc	5Vdc	10A	50	92%
LDFE50-48S5PS	36-75Vdc	5Vdc	10A	50	92%
LDFE50-48S55PSZ2	36-75Vdc	55Vdc	1A	55	90%
LDFE100-48S3V3PS	36-75Vdc	3.3Vdc	20A	66	92%
LDFE100-48S3V3S	36-75Vdc	3.3Vdc	20A	66	92%
LDFE75-48S12CPS	36-75Vdc	12Vdc	6A	72	92.5%
LDFE75-48S12PS	36-75Vdc	12Vdc	6A	72	92.5%
LDFE75-48S12S	36-75Vdc	12Vdc	6A	72	92.5%
LDFE75-24S48PS	18-36Vdc	48Vdc	1.56A	75	91%
LDFE75-24S6CPN	18-36Vdc	6Vdc	12.5A	75	92%
LDFE75-48S12WCPS	18-75Vdc	12Vdc	6.25A	75	92%
LDFE75-48S12WCPSZ2	18-75Vdc	12Vdc	6.25A	75	92%
LDFE75-48S24CPS	36-75Vdc	24Vdc	3.125A	75	92%
LDFE75-48S5CPS	36-75Vdc	5Vdc	15A	75	92%
LDFE75-48S5PS	36-75Vdc	5Vdc	15A	75	92%
LDFE75-48S5PS	36-75Vdc	5Vdc	15A	75	90%
LDFE75-48S5S	36-75Vdc	5Vdc	15A	75	92%
LDFE75-48S32CPS	-57~-26Vdc	32Vdc	2.5A	80	90%
LDFE100-48S48CPS	36-75Vdc	48Vdc	2A	96	92%
LDFE100-48S48PS	36-75Vdc	48Vdc	2A	96	92%
LDFE150-48S3V3CS	36-75Vdc	3.3Vdc	30A	99	92%
LDFE150-48S3V3PS	36-75Vdc	3.3Vdc	30A	99	91.4%
LDFE100-48S5CPS	36-75Vdc	5Vdc	20A	100	92%
LDFE100-48S5PS	36-75Vdc	5Vdc	20A	100	92%
LDFE120-48S12CPS	36-75Vdc	12Vdc	10A	120	92.5%
LDFE120-48S12PS	36-75Vdc	12Vdc	10A	120	92.5%
LDFE150-48S5PS	36-75Vdc	5Vdc	30A	150	92%
LDFE300-48S28CS	36-75Vdc	28Vdc	11A	300	94%
LDFE300-48S50CS	36-75Vdc	50Vdc	6A	300	93.5%

Outline Diagram (Unit:mm[inch])



Pin Designations

Pin No.	Symbol	Function
1	+Vin	Positive input voltage
2	REM	Remote control
3	Vin	Negative input voltage
4	GND	Negative output voltage
5	-SENSE	Negative remote compensate
6	TRIM	Output voltage trim
7	+SENSE	Positive remote compensate
8	Vo1	Positive output voltage

Note: All information contained in this datasheet is subject to change without notice, please visit our official website www.suplet.com for the latest information and refer to the user manual for more details.