

3 Watt

12 Pin SIL Package S1



- o Regulated Single Output
- o 1000 VDC I/O-Isolation
- o Up to 3000 VDC I/O-Isolation available
- o Low Ripple and Noise
- o Continuous Short Circuit Protection
- o Low Profile Metal Package available (Suffix "A")

MODEL NUMBER	INPUT VOLTAGE	OUTPUT VOLTAGE	OUTPUT CURRENT	INPUT CURRENT		%EFF		
				NO LOAD	FULL LOAD			
3S1RS5N3.6M	5 VDC	3.6 VDC	833 mA	100 mA	1111 mA	54		
3S1RS5N5M		5 VDC	600 mA	90 mA	938 mA	64		
3S1RS5N7.2M		7.2 VDC	416 mA					
3S1RS5N9M		9 VDC	333 mA	80 mA	882 mA	68		
3S1RS5N12M		12 VDC	250 mA					
3S1RS5N15M		15 VDC	200 mA					
3S1RS5N18M		18 VDC	166 mA	85 mA	923 mA	65		
3S1RS5N24M		24 VDC	125 mA					
3S1RS12N3.6M	12 VDC	3.6 VDC	833 mA	65 mA	463 mA	54		
3S1RS12N5M		5 VDC	600 mA	50 mA	391 mA	64		
3S1RS12N7.2M		7.2 VDC	416 mA		45 mA	379 mA	66	
3S1RS12N9M		9 VDC	333 mA	368 mA		68		
3S1RS12N12M		12 VDC	250 mA					
3S1RS12N15M		15 VDC	200 mA	50 mA	385 mA	65		
3S1RS12N18M		18 VDC	166 mA					
3S1RS12N24M		24 VDC	125 mA					
3S1RS24N3.6M	24 VDC	3.6 VDC	833 mA	35 mA	231 mA	54		
3S1RS24N5M		5 VDC	600 mA	25 mA	195 mA	64		
3S1RS24N7.2M		7.2 VDC	416 mA				35 mA	189 mA
3S1RS24N9M		9 VDC	333 mA	189 mA	66			
3S1RS24N12M		12 VDC	250 mA					
3S1RS24N15M		15 VDC	200 mA	184 mA	68			
3S1RS24N18M		18 VDC	166 mA					
3S1RS24N24M		24 VDC	125 mA					

SPECIFICATIONS

All Specifications Typical At Nominal Line, Full Load, and 25°C Unless Otherwise Noted

INPUT SPECIFICATIONS

Input Voltage Range	±10%
Input Filter	Pi-Network

OUTPUT SPECIFICATIONS

Voltage Accuracy	±2% max.
Ripple and Noise, 20 MHz BW	75 mV p-p max.
Temperature Coefficient	±0.02%/°C
Short Circuit Protection	Continuous
Short Circuit Restart	Automatic
Line Regulation	±0.5% max.
Load Regulation	±0.5% max.

GENERAL SPECIFICATION

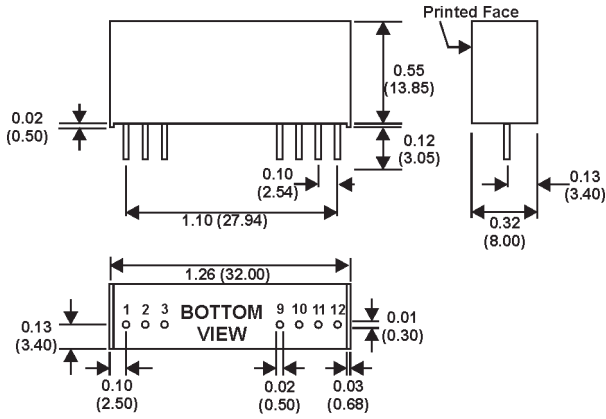
Efficiency	see table
Isolation Voltage Suffix "H3"	1000 VDC 3000 VDC
Leakage Current	1 mA
Isolation Resistance	1000 MOhms
Isolation Capacity	120 pF, typ.
Switching Frequency	125 KHz typ.
Operating Temperature Range	-25°C to +71°C
Storage Temperature Range	-40°C to +125°C
Derating	None Required
Humidity	Up to 90%, Non Condensing
Cooling	airflow 100 cfm/min.
Dimensions	1.26x0.32x0.55 Inches (32.0x8.0x14.0 mm)
Case Material	Non Conductive Black Plastic

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MECHANICAL SPECIFICATIONS

Case "S1"



All Dimensions in Inches (mm)
Tolerance x.xx = ±0.01 (±0.25)

PIN CONNECTIONS		
PIN	SINGLE 1 KVDC	SINGLE 3 KVDC
1	+INPUT	+INPUT
2	NC*	-INPUT
3	NC*	NC*
9	NC*	NC*
10	-OUTPUT	-OUTPUT
11	+OUTPUT	+OUTPUT
12	-INPUT	NC*

*NC = NOT CONNECTED

NOTICE:

The information in this document has been carefully checked. However, no responsibility is assumed for inaccuracies! Specifications can be changed without notice. The latest and most complete information can be found on our website.