

**Single outputs**  
**Input to output isolated**  
**High performance**

- 1:2 and 1:4 wide input voltage ranges
- Very high efficiency up to 92%
- Output voltage trim function  $\pm 10\%$  (Option R)
- Very low output voltage noise
- Continuous no-load and short-circuit proof
- 2" x 2" x 0.5" case with standard pinning
- No derating
- Made in Switzerland, accordingly ISO 9001:2000
- 2 years warranty

**NEW!**



**Electromagnetic emission EN 55022 < A**  
Conducted and radiated emissions

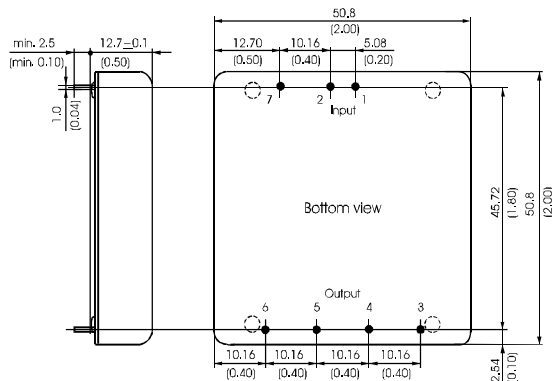
	24 IPS	48 IPS	
No load input current	20	12	mA typ.
Input current in shutdown condition	3 mA typ.		
Switching frequency	200 kHz typ.		
Output voltage accuracy	$\pm 1\%$ max.		
Static line regulation	$\pm 20\text{mV}$ max.		
Static load regulation FL to 10%	$\pm 30\text{mV}$ max.		
Output voltage noise (20 MHz BW)	60 mVpp typ.		
Efficiency	89% to 92% typ.		
I/O Electric strength test voltage	1500 VDC		
Coupling capacitance	2000 pF		
Inhibit input (i)	Apply -0.3...+0.6 VDC to shut down (switch off) the output voltage(s). Normal operation with open pin.		
Ambient temperature range	-U: -40...+71°C;		
Case temperature range	-U: -40...+105°C;		
Storage temperature range	-U: -55...+105°C;		
Case material	Metal with plastic bottom cover, UL94 V-0 rated		
MTBF, GB @ 40°C case (MIL-HDBK-217F, Notice 2)	> 500.000 hours		

Standard Types <sup>1</sup>	Input voltage VDC	Output	
		VDC	mA
Single output xx IPS30-12-UI xx IPS30-15-UI	9...36 (nominal 24) 18...75 (nominal 48)	12 15	2500 2000
Single output xx IPS40-12-UI xx IPS40-15-UI	18...36 (nominal 24) 36...75 (nominal 48)	12 15	3330 2670

<sup>1</sup> To complete type number replace "xx" by the required nominal input voltage, e.g. 24 IPS40-12-UI.

Modifications and customs are available upon request.

Dimensions in mm (inches)



Option R: Trim function for single outputs.  
The output voltage can be adjusted with an external resistor in the range of  $\pm 10\%$ .

Pin Configuration	
Pin	Single output
1	+Vi
2	-Gi
3	No Pin
4	+Vo
5	Go
6	Trim <sup>2</sup>
7	SD

<sup>2</sup> Optional Trim pin. If required add R to type number, e.g. 24 IPS40-12-UIR.