

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

- Ultra wide 1:4 input voltage ranges
- Very high efficiency up to 95%
- Output voltage trim function  $\pm 10\%$  (Option R)
- Very low output voltage noise
- Continuous no-load and short-circuit proof
- 2" x 1.6" x 0.41" case with standard pinning
- No derating
- Made in Switzerland, accordingly ISO 9001:2000
- 2 years warranty

**NEW!**

*PRELIMINARY*



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

	24 INR	48 INR	
No load input current	60	40	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)	80 mVpp typ.		
Efficiency	90% to 95% typ.		
I/O Electric strength test voltage	1500 VDC		
Coupling capacitance	2200 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		

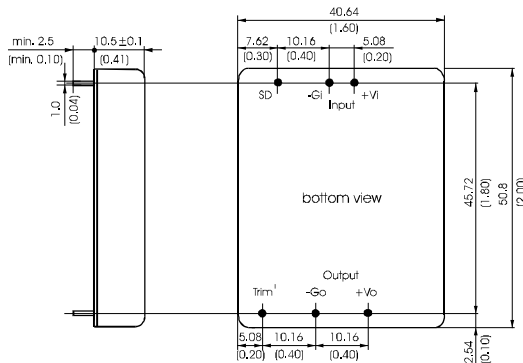
Standard Types <sup>1</sup>	Input voltage VDC	Output	
		VDC	mA
Single output			
xx INR30-02-UI RoHS	9...36	2.5	8000
xx INR30-03-UI RoHS	(nominal 24)	3.3	6000
xx INR30-05-UI RoHS		5	6000
xx INR30-12-UI RoHS	18...75	12	2500
xx INR30-15-UI RoHS	(nominal 48)	15	2000

<sup>1</sup> To complete type number replace "xx" by the required nominal input voltage, e.g. 24 INR30-02-UI RoHS.

Modifications and customs are available upon request.

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

Dimensions in mm (inches)



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 INR30-02-UIR RoHS.