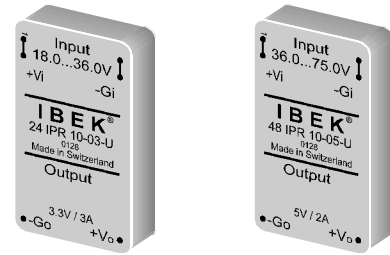


Single outputs
Input to output isolated
High performance

- Wide 1:2 input voltage ranges
- Very high efficiency, typical 88%
- Synchronous rectifier (3.3 VDC and 5 VDC outputs)
- Highest power density
- Continuous no-load and short-circuit proof
- DIL 24 case, h = 0.41"
- No derating
- Made in Switzerland, accordingly ISO 9001:2000
- 2 years warranty



Electromagnetic emission EN 55022 < A
Conducted and radiated emissions

	24 IPR	48 IPR	
No load input current	20	15	mA typ.
Switching frequency	400 kHz typ.		
Output voltage accuracy	± 1% max.		
Static line regulation	± 0.2% typ.		
Static load regulation FL to 10%	0...1% typ.		
Output voltage noise (20 MHz BW)	100 mVpp typ. ¹		
Efficiency	88% typ.		
I/O Electric strength test voltage	1500 VDC		
Coupling capacitance	1000 pF		
Ambient temperature range	-40...+65°C		
Case temperature range	-40...+100°C		
Storage temperature range	-55...+105°C		
Case material	Metal, moulded		
MTBF, GB @ 40°C case	2.000.000 hours		
(MIL-HDBK-217F, Notice 2)			

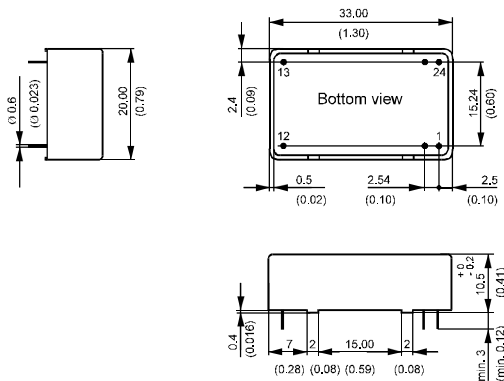
Standard Types ²	Input voltage VDC	Output	
		VDC	mA
Single output	18...36		
xx IPR10-03-U	(nominal 24)	3.3	3000
xx IPR10-05-U		5	2000
xx IPR10-12-U	36...75	12	833
xx IPR10-15-U	(nominal 48)	15	667

² To complete type number replace "xx" by the required nominal input voltage, e.g. 24 IPR10-03-U.

Modifications and customs are available upon request.

¹ Requires two external 0.47µF multi-layer ceramic capacitors installed across the output pins.

Dimensions in mm (inches)



Pin Configuration	
Pin	Single output
1	+Vi
2	+Vi
12	-Go
13	+Vo
23	-Gi
24	-Gi