

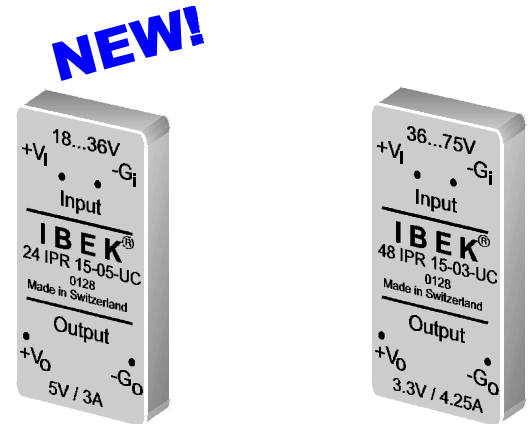
Single output
Input to output isolated
High performance

- Wide 1:2 input voltage ranges
- I/O Electric strength test voltage 1500 VDC
- Very high efficiency up to 90%
- Highest power density
- Continuous no-load and short circuit proof
- 1" x 2" case with industrial standard pinning
- SMD internal construction
- Made in Switzerland, ISO 9001 certified
- 2 years warranty

Electromagnetic emission EN 55022 < A

No load input current	20...130 mA typ. (depending on the type)
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 (20MHz BW)	100 mVpp max. ¹
Efficiency	84% to 90% typ.
I/O Electric strength test voltage	1500 VDC
Coupling capacitance	1000 pF
Shutdown input (SD)	Apply -0.3...+0.6 VDC to shut down (switch off) the output voltage(s). Normal operation with open pin.
Ambient temperature range	-40...+65°C
Case temperature range	-40...+100°C
Storage temperature range	-55...+105°C
Case material	Metal with plastic bottom cover
MTBF, GB @ 40°C case (MIL-HDBK-217F, Notice 2)	> 1.500.000 hours

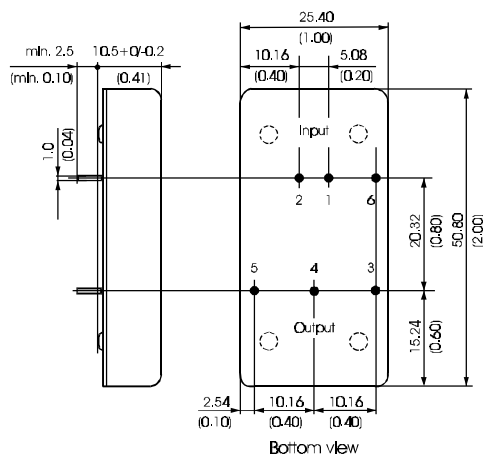
¹ Lower value is achieved with two external 0.47 µF multi-layer ceramic capacitors installed across their output pins.



Standard Types	Input voltage range VDC	Output	
		VDC	mA
12 IPR15-03-UC	9...18 (nominal 12)	3.3	4250
12 IPR15-05-UC		5	3000
12 IPR15-12-UC		12	1000
12 IPR15-15-UC		15	800
24 IPR15-03-UC	18...36 (nominal 24)	3.3	4250
24 IPR15-05-UC		5	3000
24 IPR15-12-UC		12	1000
24 IPR15-15-UC		15	800
48 IPR15-03-UC	36...75 (nominal 48)	3.3	4250
48 IPR15-05-UC		5	3000
48 IPR15-12-UC		12	1000
48 IPR15-15-UC		15	800

Modifications and customs are available upon request.

Dimensions in mm (inches)



Pin Configuration	
Pin	Single output
1	+Vi
2	-Gi
3	+Vo
4	No Pin
5	-Go
6 ²	SD

² Optional shutdown pin. Replace C by G on type number, e.g. 24IPR15-05-UG