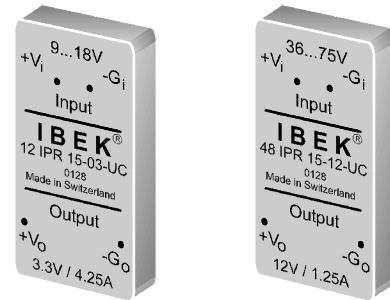


Single & double outputs
Input to output isolated
High performance

- Three wide 1:2 input voltage ranges
- Shutdown input (optional)
- I/O Electric strength test voltage 1500 VDC
- Very high efficiency up to 90%
- Highest power density
- Continuous no-load and short-circuit proof
- 2" x 1" x 0.41" case with industrial standard pinning
- Made in Switzerland, accordingly ISO 9001:2000
- 2 years warranty



Electromagnetic emission EN 55022 < A
Conducted and radiated emissions

	12 IPR	24 IPR	48 IPR	
No load input current	20	15	10	mA typ.
Input current in shutdown condition	1.3 mA typ.			
Switching frequency	400 kHz typ.			
Output voltage accuracy	± 1% max.			
Static line regulation	± 0.3% typ.			
Static load regulation FL to 10%	0...1% typ.			
Output voltage noise (20 MHz BW)	50 mVpp typ. ¹			
Efficiency	82% 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, UL94 V-0 rated			
MTBF, GB @ 40°C case (MIL-HDBK-217F, Notice 2)	> 1.500.000 hours			

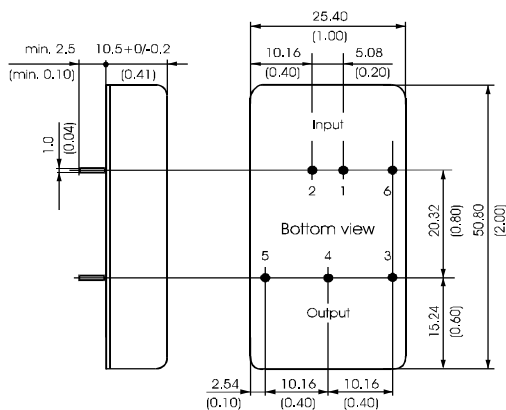
Standard Types ²	Input voltage VDC	Output	
		VDC	mA
Single output	9...18		
xx IPR15-03-UC	(nominal 12)	3.3	4250
xx IPR15-05-UC	18...36	5	3000
xx IPR15-12-UC	(nominal 24)	12	1250
xx IPR15-15-UC	36...75	15	1000
	(nominal 48)		

² To complete type number replace "xx" by the required nominal input voltage, e.g. 12 IPR15-03-UC.

Modifications and customs are available upon request.

¹ A lower value is achieved with 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	-Gi
3	+Vo
4	No pin
5	-Go
6 ⁴	SD

⁴ Optional shutdown pin. If required replace C by G on type number, e.g. 12 IPR15-03-UG.