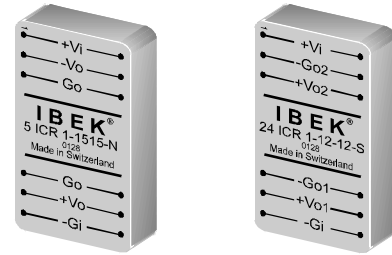


Single, double & dual outputs
Input to output isolated
Dual outputs: Output to output isolated

- Input voltage tolerance $\pm 10\%$ ($\pm 5\%$)
- Pi-input filter
- I/O Electric strength test voltage 700 VDC
- High reliability
- Linear regulated output voltages
- Extended ambient temperature range -40...+85°C
- No derating
- Made in Switzerland, accordingly ISO 9001:2000
- 2 years warranty

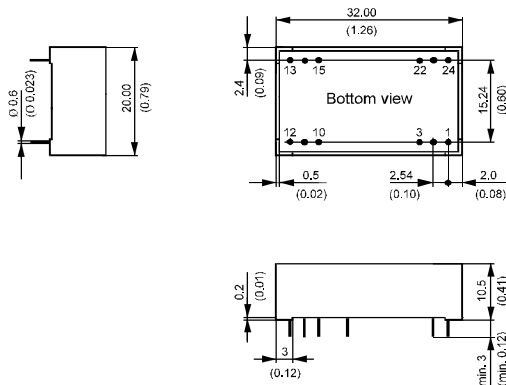


Electromagnetic emission EN 55022 < B
Conducted and radiated emissions

	5 ICR	12 ICR	15 ICR	24 ICR	
No load input current	85	35	30	15	mA typ.
Output voltage noise (20 MHz BW)	25	35	40	45	mVpp typ.
Switching frequency					25 kHz typ.
Output voltage accuracy					$\pm 5\%$; 5 VDC outputs $\pm 3\%$ max.
Static line regulation					$\pm 0.2\%$; 5 VDC outputs $\pm 0.3\%$ typ.
Static load regulation FL to NL					$\pm 0.1\%$; 5 VDC outputs $\pm 0.8\%$ typ.
Efficiency					58% (± 5 VDC outputs 40%) typ.
I/O Electric strength test voltage					700 VDC
O/O Electric strength test voltage					700 VDC
I/O Clearance and creepage distances					≥ 0.6 mm
Coupling capacitance					15 pF
Ambient temperature range					-N: 0...+71°C
- Extended					-T: -25...+71°C; -S: -40...+85°C
Case temperature range					-N: 0...+91°C
- Extended					-T: -25...+91°C; -S: -40...+105°C
Storage temperature range					All: -55...+105°C
Case material					Non-conductive plastic, UL94 V-0 rated
MTBF, GB @ 40°C case (MIL-HDBK-217F, Notice 2)					> 5.700.000 hours

Max. admissible capacitive load 10 μ F; 5 VDC outputs 22 μ F

Dimensions in mm (inches)



Standard Types ¹	Input voltage VDC	Output 1		Output 2	
		VDC	mA	VDC	mA
Single output	4.75...5.25 (nominal 5)	5	200	-	-
xx ICR1-05-N		12	80	-	-
xx ICR1-12-N		15	66	-	-
Double output	10.8...13.2 (nominal 12)	± 5	± 50	-	-
xx ICR1-0505-N		± 12	± 40	-	-
xx ICR1-1212-N		± 15	± 33	-	-
Dual output	13.5...16.5 (nominal 15)	5	100	5	100
xx ICR1-05-05-N		12	40	12	40
xx ICR1-12-12-N		15	33	15	33
xx ICR1-15-15-N	(nominal 24)				

¹ To complete type number replace "xx" by the required nominal input voltage, e.g. 5 ICR1-1515-N.

Extended temperature ranges -T and -S are available for all types. Replace -N by -T or -S on type number, e.g. 24 ICR1-12-12-S.

Modifications and customs are available upon request.

Pin Configuration			
Pin	Single output	Double output	Dual output
1	+Vi	+Vi	+Vi
2	No Pin	-Vo	-Go2
3	No Pin	Go	+Vo2
10	-Go	Go	-Go1
11	+Vo	+Vo	+Vo1
12	-Gi	-Gi	-Gi
13	-Gi	-Gi	-Gi
14	+Vo	+Vo	+Vo1
15	-Go	Go	-Go1
22	No Pin	Go	+Vo2
23	No Pin	-Vo	-Go2
24	+Vi	+Vi	+Vi