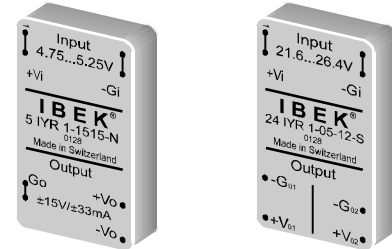


Single, double & dual outputs
Input to output high isolated
I/O Electric strength test voltage 5.3 kVDC, 3.75 kVrms
Dual outputs: Output to output isolated

- Input voltage tolerance $\pm 10\%$ ($\pm 5\%$)
- Pi-input filter
- I/O Clearance and creepage distances ≥ 3 mm
- High reliability
- Linear regulated output voltages
- Extended ambient temperature range $-40...+85^{\circ}\text{C}$
- No derating
- Made in Switzerland, accordingly ISO 9001:2000
- 2 years warranty



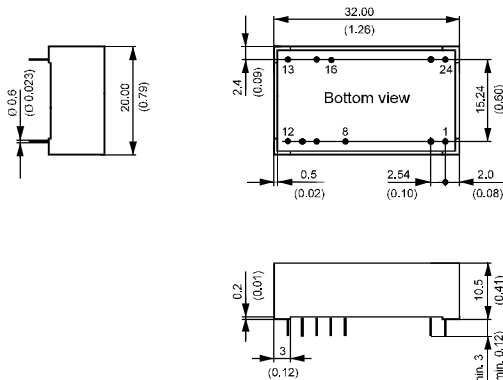
Electromagnetic emission EN 55022 < B

Conducted and radiated emissions

	5 IYR	12 IYR	15 IYR	24 IYR	
No load input current	15...85	15...35	15...30	15	mA typ.
Output voltage noise (20 MHz BW)	25...60	35...60	40...60	45...60	mVpp typ.
Switching frequency	25 ... 100 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 $\pm 0.3\%$ typ.				
Efficiency	58% (± 5 VDC outputs 40%) typ.				
I/O Electric strength test voltage	5.3 kVDC, 3.75 kVrms (50 Hz, 1 min.)				
O/O Electric strength test voltage	1.5 kVDC, 1.0 kVrms (50 Hz, 1 min.)				
I/O Clearance and creepage distances	≥ 3 mm				
Coupling capacitance	10 pF				
Ambient temperature range	-N: $0...+71^{\circ}\text{C}$				
- Extended	-T: $-25...+71^{\circ}\text{C}$; -S: $-40...+85^{\circ}\text{C}$				
Case temperature range	-N: $0...+91^{\circ}\text{C}$				
- Extended	-T: $-25...+91^{\circ}\text{C}$; -S: $-40...+105^{\circ}\text{C}$				
Storage temperature range	All: $-55...+105^{\circ}\text{C}$				
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 μF ; 5 VDC outputs 22 μF

Dimensions in mm (inches)



Standard Types ¹	Input voltage VDC	Output 1		Output 2	
		VDC	mA	VDC	mA
Single output xx IYR1-05-N xx IYR1-12-N xx IYR1-15-N	4.75...5.25 (nominal 5)	5	200	-	-
		12	80	-	-
		15	66	-	-
Double output xx IYR1-0505-N xx IYR1-1212-N xx IYR1-1515-N	10.8...13.2 (nominal 12)	± 5	± 50	-	-
		± 12	± 40	-	-
		± 15	± 33	-	-
Dual output xx IYR1-05-05-N xx IYR1-05-12-N xx IYR1-05-15-N xx IYR1-12-12-N xx IYR1-15-15-N	13.5...16.5 (nominal 15)	5	100	5	100
		5	100	12	40
		5	100	15	33
		12	40	12	40
		15	33	15	33

¹ To complete type number replace "xx" by the required nominal input voltage, e.g. 5 IYR1-1515-N.

Extended temperature ranges -T and -S are available for all types. Replace -N by -T or -S on type number, e.g. 24 IYR1-05-12-S.

Modifications and customs are available upon request.

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