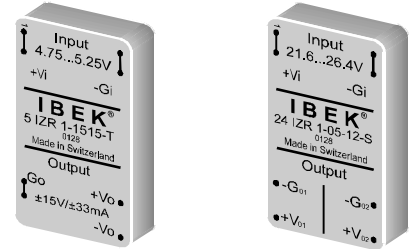


**Single, double & dual outputs**  
**Input to output high isolated**  
**I/O Electric strength test voltage 7 kVDC, 5 kVrms**  
**Dual outputs: Output to output isolated**

- Input voltage tolerance  $\pm 10\%$  ( $\pm 5\%$ )
- I/O Clearance and creepage distances 5 mm
- High efficiency up to 65%
- High reliability
- Linear regulated output voltages
- Continuous no-load and short-circuit proof
- Extended ambient temperature range  $-40...+85^{\circ}\text{C}$
- Made in Switzerland, accordingly ISO 9001:2000
- 2 years warranty



**Electromagnetic emission EN 55022 < B**  
 Conducted and radiated emissions

	5 IZR	12 IZR	15 IZR	24 IZR	
No load input current	55	25	20	12	mA typ.
Output voltage noise (20 MHz BW)	20	30	35	40	mVpp typ.
Switching frequency	260 kHz typ.				
Output voltage accuracy	$\pm 4\%$ ; 5 VDC outputs $\pm 3\%$ max.				
Static line regulation	$\pm 0.2\%$ typ.				
Static load regulation FL to NL	$\pm 0.3\%$ typ.				
Efficiency	60% to 65% typ.				
I/O Electric strength test voltage	7.0 kVDC, 5.0 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	5 mm				
Coupling capacitance	5 pF				
Ambient temperature range	-T: $-25...+71^{\circ}\text{C}$ ; -S: $-40...+85^{\circ}\text{C}$				
Case temperature range	-T: $-25...+91^{\circ}\text{C}$ ; -S: $-40...+105^{\circ}\text{C}$				
Storage temperature range	-T: $-55...+105^{\circ}\text{C}$ ; -S: $-55...+105^{\circ}\text{C}$				
Case material	Non-conductive plastic, UL94 V-0 rated				
MTBF, GB @ $40^{\circ}\text{C}$ case (MIL-HDBK-217F, Notice 2)	$> 5.700.000$ hours				
Max. admissible capacitive load	100 $\mu\text{F}$				

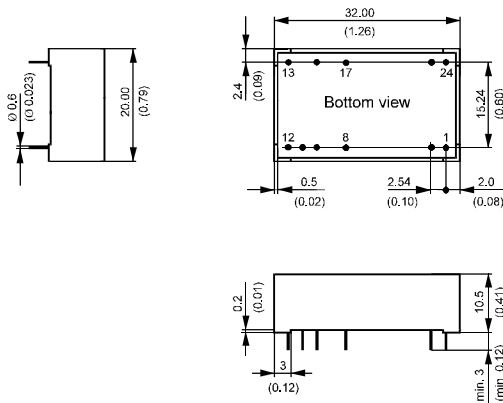
Standard Types <sup>1</sup>	Input voltage VDC	Output 1		Output 2	
		VDC	mA	VDC	mA
Single output xx IZR1-05-T xx IZR1-12-T xx IZR1-15-T	4.75...5.25 (nominal 5)	5	200	-	-
		12	80	-	-
		15	66	-	-
Double output xx IZR1-0505-T xx IZR1-1212-T xx IZR1-1515-T	10.8...13.2 (nominal 12)	$\pm 5$	$\pm 50$	-	-
		$\pm 12$	$\pm 40$	-	-
		$\pm 15$	$\pm 33$	-	-
Dual output xx IZR1-05-05-T xx IZR1-05-12-T xx IZR1-05-15-T xx IZR1-12-12-T xx IZR1-15-15-T	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

<sup>1</sup> To complete type number replace "xx" by the required nominal input voltage, e.g. 5 IZR1-1515-T.

Extended temperature range -S is available for all types. Replace -T by -S on type number, e.g. 24 IZR1-05-12-S.

Modifications and customs are available upon request.

Dimensions in mm (inches)



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
17	No Pin	No Pin	-Go2
23	-Gi	-Gi	-Gi
24	-Gi	-Gi	-Gi

Specifications subject to change without notice