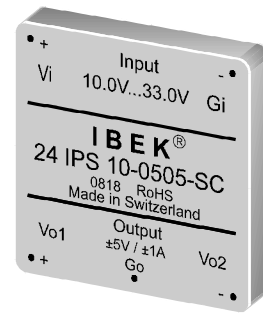


**Single & double outputs**  
**Input to output isolated**

- Ultra wide 1:4 input voltage ranges
- Shutdown input (optional)
- Very high efficiency, typical 84%
- High reliability
- Continuous no-load and short-circuit proof
- Extended ambient temperature range -40...+85°C
- 2" x 2" x 0.41" case with industrial standard pinning
- Made in Switzerland, accordingly ISO 9001:2000
- 2 years warranty

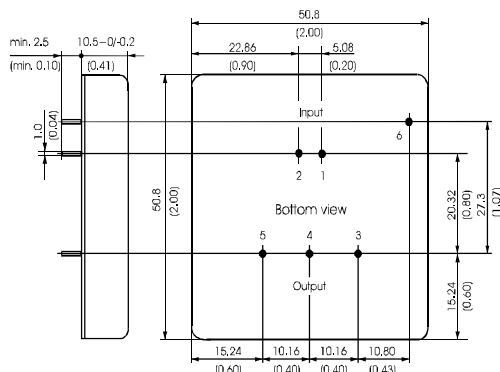


**Electromagnetic emission EN 55022 < B**  
Conducted and radiated emissions

	24 IPS	48 IPS	
No load input current	15	10	mA typ.
Input current in shutdown condition	3 mA typ.		
Switching frequency	400 kHz typ.		
Output voltage accuracy	± 1% max.		
Static line regulation	± 15 mV typ.		
Static load regulation FL to NL	0...50 mV typ.		
Output voltage noise (20 MHz BW)	5 VDC 50	12 VDC 120	15 VDC 150 outputs mVpp typ.
Efficiency	84% typ.		
I/O Electric strength test voltage	1500 VDC		
Coupling capacitance	1000 pF		
Shutdown input (SD)	Apply -0.3...+2 VDC to shut down (switch off) the output voltage(s). Normal operation with open pin.		
Ambient temperature range	-T: -25...+71°C; -S: -40...+85°C <sup>1</sup>		
Case temperature range	-T: -25...+95°C; -S: -40...+105°C		
Storage temperature range	-T: -55...+105°C; -S: -55...+105°C		
Case material	Metal with plastic bottom cover, UL94 V-0 rated		
MTBF, GB @ 40°C case (MIL-HDBK-217F, Notice 2)	> 1.850.000 hours		

<sup>1</sup> Power derating from 100% to 80% load for 71°C to 85°C

Dimensions in mm (inches)



Standard Types <sup>2</sup>	Input voltage VDC	Output	
		VDC	mA
Single output	10...33 (nominal 24)	5	2000
xx IPS10-05-TC RoHS	35 V for 500 ms repetition rate 50 s	12	833
xx IPS10-12-TC RoHS		15	667
xx IPS10-15-TC RoHS			
Double output <sup>3</sup>	45 V for 10 ms repetition rate 10 s	± 5	± 1000
xx IPS10-0505-TC RoHS	18...75 (nominal 48)	± 12	± 417
xx IPS10-1212-TC RoHS		± 15	± 333
xx IPS10-1515-TC RoHS			

<sup>2</sup> To complete type number replace "xx" by the required nominal input voltage, e.g. 24 IPS10-0505-TC RoHS.

<sup>3</sup> Double outputs should have symmetrical load conditions to comply with the specifications listed on the left side.

Extended temperature range -S is available for all types. Replace -T by -S on type number, e.g. 24 IPS10-0505-SC RoHS.

Modifications and customs are available upon request.

Pin Configuration		
Pin	Single output	Double output
1	+Vi	+Vi
2	-Gi	-Gi
3	+Vo	+Vo
4	No Pin	Go
5	-Go	-Vo
6 <sup>4</sup>	SD	SD

<sup>4</sup> Optional shutdown pin. If required replace C by G on type number, e.g. 24 IPS10-05-TG RoHS.