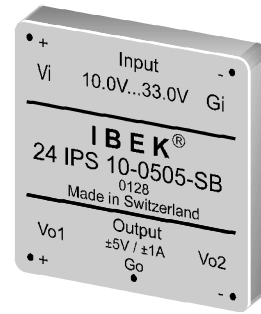


Single & double outputs
Input to output isolated

- 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

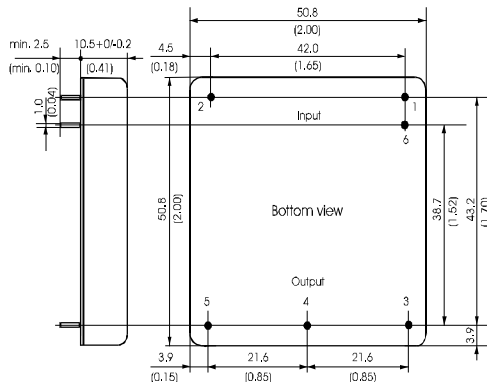


Electromagnetic emission EN 55022 < B
Conducted and radiated emissions

	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 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 ¹		
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		

¹ Power derating from 100% to 80% load for 71°C to 85°C

Dimensions in mm (inches)



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

² To complete type number replace "xx" by the required nominal input voltage, e.g. 24 IPS10-0505-TB.

³ 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-SB.

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 ⁴	SD	SD

⁴ Optional shutdown pin. If required replace B by F on type number, e.g. 24 IPS10-05-TF.