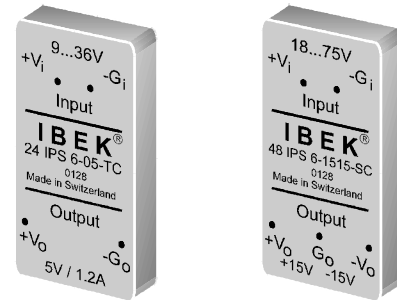


Single & double outputs
Input to output isolated

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

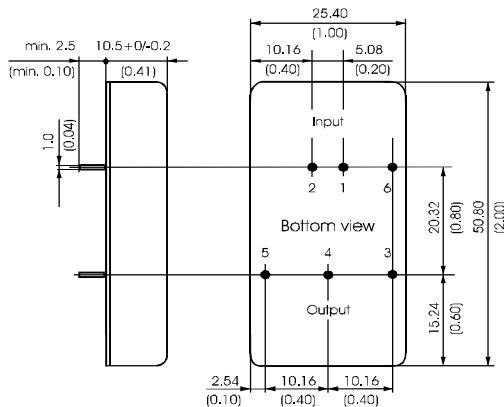


Electromagnetic emission EN 55022 < A
Conducted and radiated emissions

	24 IPS	48 IPS	
No load input current	15	10	mA typ.
Input current in shutdown condition	1.3 mA typ.		
Switching frequency	400 kHz typ.		
Output voltage accuracy	± 1% max.		
Static line regulation	± 15 mV typ.		
Static load regulation FL to 10%	0...25 mV typ.		
Output voltage noise (20 MHz BW)	5 VDC	12 VDC	15 VDC outputs 50 120 150 mVpp typ.
Efficiency	80% to 84% typ.		
I/O Electric strength test voltage	1500 VDC		
Coupling capacitance	1000 pF		
Shutdown input (SD) :	Apply -0.3...+0.6 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)	> 1.500.000 hours		

¹ Power derating from 6W to 5W for 71°C to 85°C

Dimensions in mm (inches)



Standard Types ²	Input voltage VDC	Output	
		VDC	mA
Single output	9...36 (nominal 24) 45 V for 10 ms repetition rate 10 s	5	1200
xx IPS6-05-TC		12	500
xx IPS6-12-TC		15	400
Double output ³	18...75 (nominal 48)	± 5	± 600
xx IPS6-0505-TC		± 12	± 250
xx IPS6-1212-TC		± 15	± 200
xx IPS6-1515-TC			

² To complete type number replace "xx" by the required nominal input voltage, e.g. 24 IPS6-05-TC.

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. 48 IPS6-1515-SC.

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 C by G on type number, e.g. 24 IPS6-05-TG.