

Single & double outputs
Input to output isolated

- Wide 1:2 input voltage ranges
- Shutdown input (optional)
- Very high efficiency, up to 90%
- 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
Input current in shutdown condition	3 mA typ.	
Switching frequency	400 kHz typ.	
Output voltage accuracy	± 1% max.	
Static line regulation	± 10 mV; 5 VDC outputs ± 20 mV max.	
Static load regulation FL to NL	0...30 mV max.	
Output voltage noise (20 MHz BW)	75 mVpp max.	
Efficiency	up to 90% 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)	> 1.500.000 hours	

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

Standard Types ²	Input voltage VDC	Output	
		VDC	mA
Single output	18...36 (nominal 24)	5	3000
xx IPS15-05-TC RoHS		12	1500
xx IPS18-12-TC RoHS		15	1200
Double output ³	36...75 (nominal 48)	± 5	± 1500
xx IPS15-0505-TC RoHS		± 12	± 750
xx IPS18-1212-TC RoHS		± 15	± 600

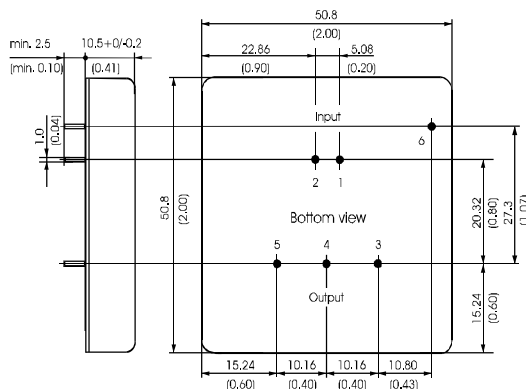
² To complete type number replace "xx" by the required nominal input voltage, e.g. 24 IPS18-15-TC RoHS.

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 IPS18-15-SC RoHS.

Modifications and customs are available upon request.

Dimensions in mm (inches)



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 IPS18-15-TG.

Specifications subject to change without notice