

Single & double outputs Input to output isolated

- Wide 1:2 input voltage ranges
- Very high efficiency up to 89%
- Very low output voltage noise
- High reliability
- Continuous no-load and short-circuit proof
- Extended ambient temperature range -40...+85°C
- 2" x 2" case with industrial standard pinning
- Made in Switzerland, ISO 9001 certified
- 3 years warranty



Electromagnetic emission EN 55022 < B

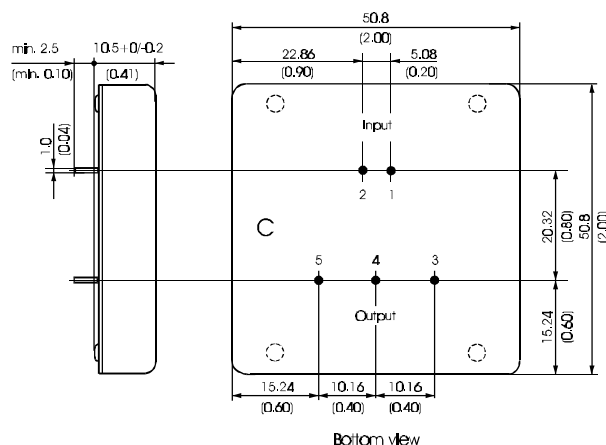
No load input current	35 mA typ.
Switching frequency	220 kHz typ.
Output voltage accuracy	± 1% max.
Static line regulation	5V outputs ± 20 mV max. 12V, 15V outputs ± 10 mV max.
Static load regulation FL to NL	0...30 mV max.
Output voltage noise (20MHz BW)	75 mVpp max.
Efficiency	up to 89% typ.
I/O Electric strength test voltage	1500 VDC
Coupling capacitance	1000 pF
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
MTBF, GB @ 40°C case	> 1.500.000 hours
(MIL-HDBK-217F, Notice 2)	

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

Standard Types	Input voltage range VDC	Output	
		VDC	mA
24 IPS15-05-TC 24 IPS18-12-TC 24 IPS18-15-TC	18...36 (nominal 24)	5	3000
		12	1500
		15	1200
24 IPS15-0505-TC 24 IPS18-1212-TC 24 IPS18-1515-TC	36...75 (nominal 48)	± 5	± 1500
		± 12	± 750
		± 15	± 600
48 IPS15-05-TC 48 IPS18-12-TC 48 IPS18-15-TC	36...75 (nominal 48)	5	3000
		12	1500
		15	1200
48 IPS15-0505-TC 48 IPS18-1212-TC 48 IPS18-1515-TC	36...75 (nominal 48)	± 5	± 1500
		± 12	± 750
		± 15	± 600

Extended temperature range -S is available for all types. Replace -T by -S on type number, e.g. 24IPS18-12-SC.

Dimensions in mm (inches)



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