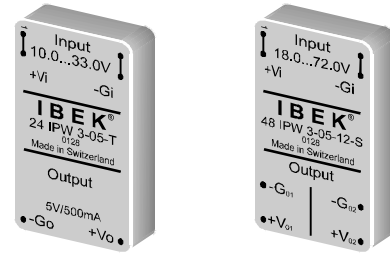


Single, double & dual outputs
Input to output isolated
I/O Electric strength test voltage 1.5 kVDC, 1.06 kVrms

- Ultra wide input voltage ranges up to 1:4
- Shutdown input
- Very high efficiency up to 83%
- High reliability
- Continuous no-load and short-circuit proof
- Extended ambient temperature range -40...+85°C
- No derating
- Made in Switzerland, accordingly ISO 9001:2000
- 2 years warranty



Electromagnetic emission EN 55022 < B
Conducted and radiated emissions

	24 IPW	48 IPW
No load input current	5	3
Input current in shutdown condition	1.3 mA typ.	
Switching frequency	130 kHz typ.	
Output voltage accuracy	± 2% max.	
Static line regulation	± 15 mV typ.	
Static load regulation FL to ¼ L	0...2%; 5 VDC outputs 0...5% typ.	
Output voltage noise (20 MHz BW)	100 mVpp typ.	
Efficiency	79% to 83% typ.	
I/O Electric strength test voltage	1.5 kVDC, 1.06 kVrms (50 Hz, 1 min.)	
O/O Electric strength test voltage	700 VDC	
Coupling capacitance	External required (see below)	
Shutdown input (SD)	Apply -0.3...+1.35 VDC / 100...200 µA 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	
Case temperature range	-T: -25...+95°C; -S: -40...+105°C	
Storage temperature range	-T: -55...+105°C; -S: -55...+105°C	
Case material	Non-conductive plastic, UL94 V-0 rated	
MTBF, GB @ 40°C case (MIL-HDBK-217F, Notice 2)	> 2.200.000 hours	

Standard Types ¹	Input voltage VDC	Output 1		Output 2	
		VDC	mA	VDC	mA
Single output xx IPW3-05-T xx IPW3-12-T xx IPW3-15-T	10...33 (nominal 24)	5	500	-	-
		12	250	-	-
		15	200	-	-
Double output ² xx IPW3-0505-T xx IPW3-1212-T xx IPW3-1515-T	35 V for 500 ms repetition rate 50 s 45 V for 10 ms repetition rate 10 s	± 5	± 250	-	-
		± 12	± 125	-	-
		± 15	± 100	-	-
Dual output xx IPW3-05-05-T xx IPW3-05-12-T xx IPW3-05-15-T xx IPW3-12-12-T xx IPW3-15-15-T	18...75 (nominal 48)	5	250	5	250
		5	250	12	125
		5	250	15	100
		12	125	12	125
		15	100	15	100

¹ To complete type number replace "xx" by the required nominal input voltage, e.g. 24 IPW3-05-T.

² Double outputs should have symmetrical load conditions to comply with the specifications listed on the left side.

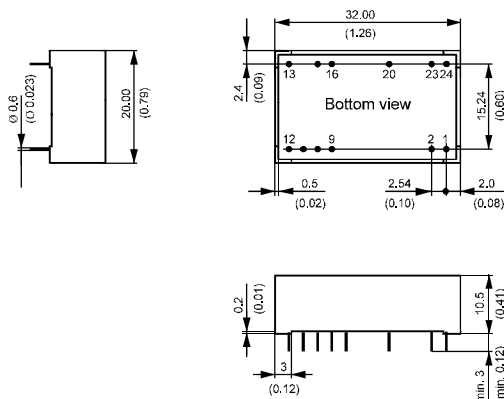
Extended temperature range -S is available for all types. Replace -T by -S on type number, e.g. 48 IPW3-05-12-S.

Modifications and customs are available upon request.

Important: All units require (an) external coupling capacitor(s) Cio = 270 pF / 1.5 kVDC

- Single output: -Gi (pin 23,24) to -Go (pin 12)
- Double output: -Gi (pin 23,24) to Go (pin 10,11)
- Dual output: -Gi (pin 23,24) to -Go1 (pin 9) and -Gi (pin 23,24) to -Go2 (pin 16)

Dimensions in mm (inches)



Pin Configuration			
Pin	Single output	Double output	Dual output
1	+Vi	+Vi	+Vi
2	+Vi	+Vi	+Vi
9	No Pin	No Pin	-Go1
10	No Pin	Go	No Pin
11	No Pin	Go	No Pin
12	-Go	No Pin	+Vo1
13	+Vo	-Vo	+Vo2
15	No Pin	+Vo	No Pin
16	No Pin	No Pin	-Go2
20	SD	SD	SD
23	-Gi	-Gi	-Gi
24	-Gi	-Gi	-Gi