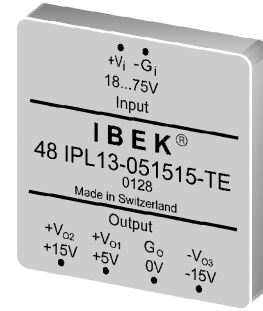


**Triple outputs
Input to output isolated**

- Ultra wide 1:4 input voltage ranges
- Shutdown input (optional)
- Very high efficiency, typical 85%
- Very low output voltage noise
- Continuous no-load and short-circuit proof
- 2" x 2" x 0.41" case with industrial standard pinning
- No derating
- Made in Switzerland, accordingly ISO 9001:2000
- 2 years warranty



Electromagnetic emission EN 55022 < A
Conducted and radiated emissions

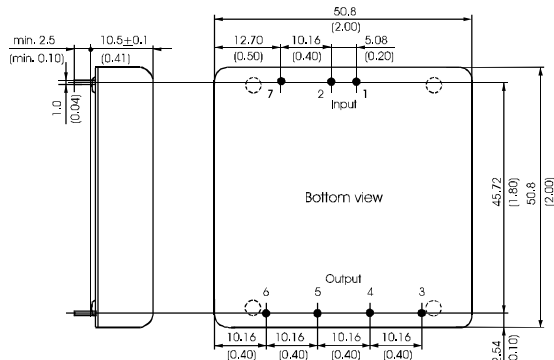
	24 IPL	48 IPL	
No load input current	12	8	mA typ.
Input current in shutdown condition	3 mA typ.		
Switching frequency	400 kHz typ.		
Output voltage accuracy	± 1% max.		
	+Vo1	+Vo2	-Vo3
Static line regulation	± 20mV	± 5%	± 5% max.
Static load regulation FL to 10%	± 30mV	± 5%	± 5% max.
Output voltage noise (20 MHz BW)	All outputs 50 mVpp max.		
Efficiency	85% 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	-25...+71°C		
Case temperature range	-25...+95°C		
Storage temperature range	-55...+105°C		
Case material	Metal with plastic bottom cover, UL94 V-0 rated		
MTBF, GB @ 40°C case	> 5.000.000 hours		
(MIL-HDBK-217F, Notice 2)			

Standard Types ¹	Input voltage VDC	Output 1		Output 2	
		VDC	mA	VDC	mA
Triple output	9...36 (nominal 24)	5	1600	± 12	± 208
xx IPL13-051212-TE xx IPL13-051515-TE	18...75 (nominal 48)	5	1600	± 15	± 167

¹ To complete type number replace "xx" by the required nominal input voltage, e.g. 48 IPL13-051515-TE.

Modifications and customs are available upon request.

Dimensions in mm (inches)



Pin Configuration	
Pin	Triple output
1	+Vi
2	-Gi
3	+Vo2
4	+Vo1
5	Go
6	-Vo3
7 ²	SD

⁴ Optional shutdown pin. If required replace E by I on type number, e.g. 48 IPL13-051515-TI.