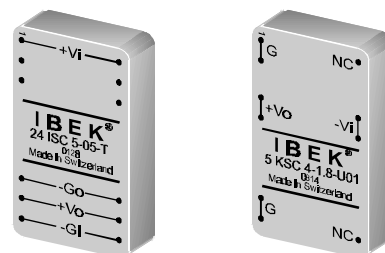


Single outputs
Non-isolated
Low voltage KSC-types

- Ultra wide input voltage ranges
- Very high efficiency up to 92%
- Very low output voltage noise
- Excellent dynamic load regulation
- 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

KSC-types: EN 55022 < A

	ISC5	KSC4	KSC7
No load input current	3	30	22 mA typ.
Switching frequency	260 kHz;	KSC-types: 500 kHz typ.	
Output voltage accuracy	± 1%;	5.1 VDC output ± 1.4% max. KSC-types: ± 3% max.	
Static line regulation	± 0.5% max.		
Static load regulation FL to NL	0...1% max.		
Output voltages noise (20 MHz BW)	30 mVpp; KSC-types: 40 mVpp typ.		
Efficiency	82% to 92% typ.		
Dynamic load regulation	± 1% max. ¹ ; 24 ISC5-03-T: ±1.5% max. ¹ KSC-types: ± 60 mV max. ¹		
Load transient recovery time	100 µs typ. ¹		
Ambient temperature range	-U: -40...+71°C; -S: -40...+85°C		
Case temperature range	-U: -40...+95°C; -S: -40...+105°C		
Storage temperature range	-U: -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)	> 4.000.000 hours		

Standard Types	Input voltage VDC	Output VDC	mA	Efficiency % typ.
Family ISC				
24 ISC5-03-T ²	7...40	3.3	1000	82
24 ISC5-05-T ²	8...40	5	1000	86
24 ISC5-12-T ²	16...40	12	417	89
24 ISC5-15-T ²	19...40 (nominal 24)	15	333	89
KSC-types				
5 KSC4-1.8-U01	4.3...6 (nominal 5)	1.8	2300	85
5 KSC7-03-U01		3.3	2000	92

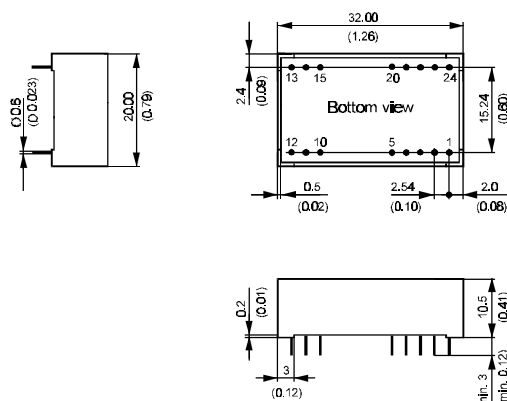
² Extended temperature range -S is available.

Replace -T by -S on type number, e.g. 24 ISC5-05-S.

Modifications and customs are available upon request.

¹ For 33% load variation with a rise/fall time of ≥ 50 µs

Dimensions in mm (inches)



Pin Configuration		
Pin	Family ISC	KSC-types
1	+Vi	G
2	NC	G
3	NC	No Pin
4	No Pin	+Vo
5	No Pin	+Vo
10	-Go	No Pin
11	+Vo	G
12	-Gi	G
13	-Gi	NC
14	+Vo	No Pin
15	-Go	No Pin
20	No Pin	+Vi
21	No Pin	+Vi
22	NC	No Pin
23	NC	No Pin
24	+Vi	NC

Specifications subject to change without notice