

IBEK 1 Watt-Family

1 watt DC-DC converters
 Input to output isolation
 1 and 2 output up to 15 V DC
 Input voltage up to 52.8 V DC
 See Data Book, chapter 6.1

Output voltage 1, 2 $U_{o\ nom}$ [V]	Output current 1, 2 $I_{o\ nom}$ [mA]	Type Input voltage 4.75...5.25 V DC	Type Input voltage 10.8...13.2 V DC	Type Input voltage 13.5...16.5 V DC	Opt.
5	200	5 IWR 1-05-N	12 IWR 1-05-N	15 IWR 1-05-N	T, S
12	80	5 IWR 1-12-N	12 IWR 1-12-N	15 IWR 1-12-N	T, S
15	66	5 IWR 1-15-N	12 IWR 1-15-N	15 IWR 1-15-N	T, S
±5	±50	5 IWR 1-0505-N	12 IWR 1-0505-N	15 IWR 1-0505-N	T, S
±12	±40	5 IWR 1-1212-N	12 IWR 1-1212-N	15 IWR 1-1212-N	T, S
±15	±33	5 IWR 1-1515-N	12 IWR 1-1515-N	15 IWR 1-1515-N	T, S
5, 5	100, 100	5 IWR 1-05-05-N	12 IWR 1-05-05-N	15 IWR 1-05-05-N	T, S
5, 12	100, 40	5 IWR 1-05-12-N	12 IWR 1-05-12-N	15 IWR 1-05-12-N	T, S
5, 15	100, 33	5 IWR 1-05-15-N	12 IWR 1-05-15-N	15 IWR 1-05-15-N	T, S
12, 12	40, 40	5 IWR 1-12-12-N	12 IWR 1-12-12-N	15 IWR 1-12-12-N	T, S
15, 15	33, 33	5 IWR 1-15-15-N	12 IWR 1-15-15-N	15 IWR 1-15-15-N	T, S
±5, ±5	±50, ±50	5 IWR 1-2×0505-N	12 IWR 1-2×0505-N	15 IWR 1-2×0505-N	T
±12, ±12	±20, ±20	5 IWR 1-2×1212-N	12 IWR 1-2×1212-N	15 IWR 1-2×1212-N	T
±15, ±15	±17, ±17	5 IWR 1-2×1515-N	12 IWR 1-2×1515-N	15 IWR 1-2×1515-N	T

Output voltage 1, 2 $U_{o\ nom}$ [V]	Output current 1, 2 $I_{o\ nom}$ [mA]	Type Input voltage 21.6...26.4 V DC	Type Input voltage 25.2...30.8 V DC	Type Input voltage 43.2...52.8 V DC	Opt.
5	200	24 IWR 1-05-N	28 IWR 1-05-N	48 IWR 1-05-N	T, S
12	80	24 IWR 1-12-N	28 IWR 1-12-N	48 IWR 1-12-N	T, S
15	66	24 IWR 1-15-N	28 IWR 1-15-N	48 IWR 1-15-N	T, S
±5	±50	24 IWR 1-0505-N	28 IWR 1-0505-N	48 IWR 1-0505-N	T, S
±12	±40	24 IWR 1-1212-N	28 IWR 1-1212-N	48 IWR 1-1212-N	T, S
±15	±33	24 IWR 1-1515-N	28 IWR 1-1515-N	48 IWR 1-1515-N	T, S
5, 5	100, 100	24 IWR 1-05-05-N	28 IWR 1-05-05-N	48 IWR 1-05-05-N	T, S
5, 12	100, 40	24 IWR 1-05-12-N	28 IWR 1-05-12-N	48 IWR 1-05-12-N	T, S
5, 15	100, 33	24 IWR 1-05-15-N	28 IWR 1-05-15-N	48 IWR 1-05-15-N	T, S
12, 12	40, 40	24 IWR 1-12-12-N	28 IWR 1-12-12-N	48 IWR 1-12-12-N	T, S
15, 15	33, 33	24 IWR 1-15-15-N	28 IWR 1-15-15-N	48 IWR 1-15-15-N	T, S
±5, ±5	±50, ±50	24 IWR 1-2×0505-N	28 IWR 1-2×0505-N	48 IWR 1-2×0505-N	T
±12, ±12	±20, ±20	24 IWR 1-2×1212-N	28 IWR 1-2×1212-N	48 IWR 1-2×1212-N	T
±15, ±15	±17, ±17	24 IWR 1-2×1515-N	28 IWR 1-2×1515-N	48 IWR 1-2×1515-N	T

- Efficient input Pi-filter
- Standard temperature range N: 0...71°C
- Aluminium solid electrolytic capacitors
- Linear voltage regulator at output
- High reliability
- Optimal dynamic response

Description of options

- T Ambient temperature range –25...71°C
 S Ambient temperature range –40...85°C

Isolation test voltage [V DC/V _{rms}]	Type
700/500	.. ICR ..
1500/1060	.. IWR ..
3530/2500	.. IXR ..
5300/3750	.. IYR ..
7070/5000	.. IZR ..

