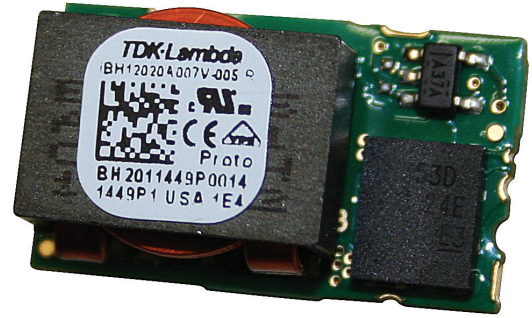


80W, 20A Non-isolated SMT Point of Load

Features

- ◆ DOSA Compatible Footprint
- ◆ Surface Mountable
- ◆ Constant Switching Frequency
- ◆ No external loop tuning components needed
- ◆ Excellent Transient Response



Key Market Segments & Applications



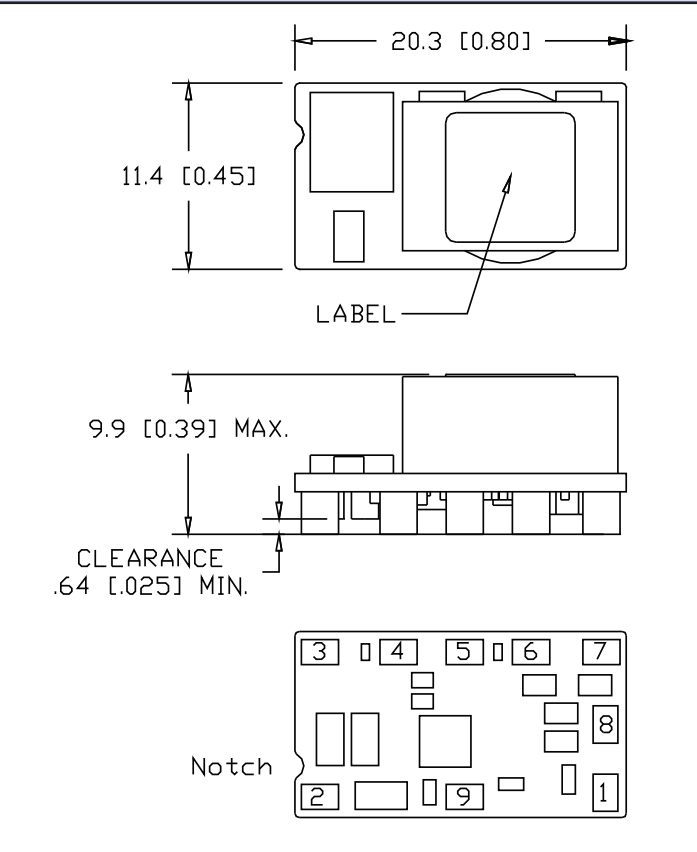
Specifications		
Model		iBH12
DC Output Voltage	V	0.7 - 5.5
DC Output Power (max)	W	80
DC Input Voltage	V	3.5 - 14
Efficiency	%	85.5 - 96
Output Voltage Tolerance	%	±3
Switching Frequency	kHz	600
Line Regulation	mV	4
Load Regulation	mV	7
External Load Capacitance	uF	200 - 2000
Output Ripple and Noise	mVpp	20
Overcurrent Protection	A	35A typical
Remote On / Off	-	Yes, see model selector table
Remote Sense	-	(+) Sense, compensating up to 0.5V
Power Good	-	Yes, Low on fail
Operating Temperature	°C	-40 to 115 (see thermal data on website)
Storage Temperature	°C	-55 to 125
Safety Agency Certifications	-	IEC/UL/CSA/EN62368-1, 60950-1, CE Mark
Weight	g / oz	6g / 0.21 oz
Size (LxWxH)	mm / in.	20.3 x 11.4 x 9.9 / 0.8 x 0.45 x 0.39
Warranty	yrs	3 years

Model Selector

Input Model	Input Voltage (V)	Output Current (A)	Output Voltage (V)	Positive Logic On/Off	Negative Logic On/Off	Sequencing
iBH12020A007V-006-R	3.5 - 14	20	0.7 - 5.5	yes	-	-
iBH12020A007V-007-R	3.5 - 14	20	0.7 - 5.5	-	yes	-

Preferred

Outline Drawing



Pinout

PIN	Function	PIN	Function
1	ON / OFF	6	VOUT
2	VIN	7	SENSE (+)
3	Sequencing	8	Reserved
4	GND	9	PWR GOOD
5	TRIM		

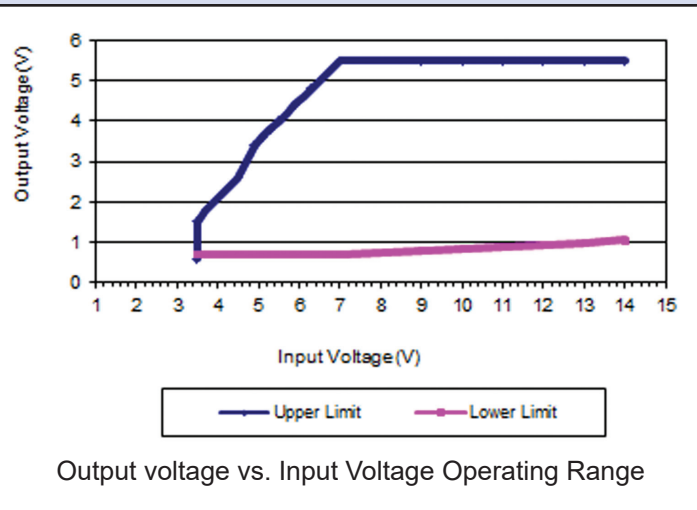
Other Industrial Products

CC-E, CCG	1.5 - 30W 5, 12, 24 or 48V input isolated DC-DC converters
PX	10 - 60W 12, 24 or 48V input isolated DC-DC converters
iAH, iBF, iCF, iCH, iCG	3 - 20A DOSA2 non isolated DC-DC converters
iJA, iJB, iJC	35 - 100A non isolated DC-DC converters with PMBus

For Additional Information, please visit <https://product.tdk.com/en/power/>



Voltage Operating Range



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Other Similar products are found below :

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[MYGTM01210BZN](#) [JRCS016A0S4-HZ](#) [40C24-N250-I5-H](#) [40A24-P30-E](#) [10C24-N250-I10-AQ-DA](#) [4AA24-P20-M-H](#) [3V12-N0.8](#) [3V24-P1](#)
[3V24-N1](#) [BMR4672010/001](#) [BMR4652010/001](#) [6AA24-P30-I5-M](#) [6AA24-N30-I5-M](#) [BM2P101X-Z](#) [ROF-78E12-0.5SMD-R](#) [RPMA5.0-](#)
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[P4-M](#) [10C24-N250-I5](#) [10C24-P125](#) [10C24-P250-I5](#) [6A24-P20-I10-F-M-25PPM](#) [1A24-P30-F-M-C](#) [TSR 1-24150SM](#) [1/2AA24-N30-I10](#)
[1C24-N125](#) [12C24-N250](#) [V7806-1500](#) [PTV12020LAH](#) [PTV05010WAH](#) [PTN04050CAZT](#) [PTH12020WAD](#) [PTH12020LAS](#)
[PTH05050YAH](#) [PTH05T210WAH](#) [PTH05030WAZ](#)