



Industrial



Test



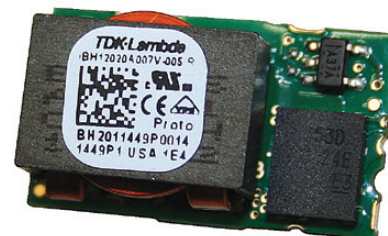
Comm



Broadcast

20A Non-isolated SMT Point of Load

Features	Benefits
DOSA Compatible Footprint	Ideal for Second Sourcing
Constant Switching Frequency	Predictable EMI
No External Loop Tuning Components Needed	Less Board Area Needed
Excellent Transient Response	For Sensitive Applications



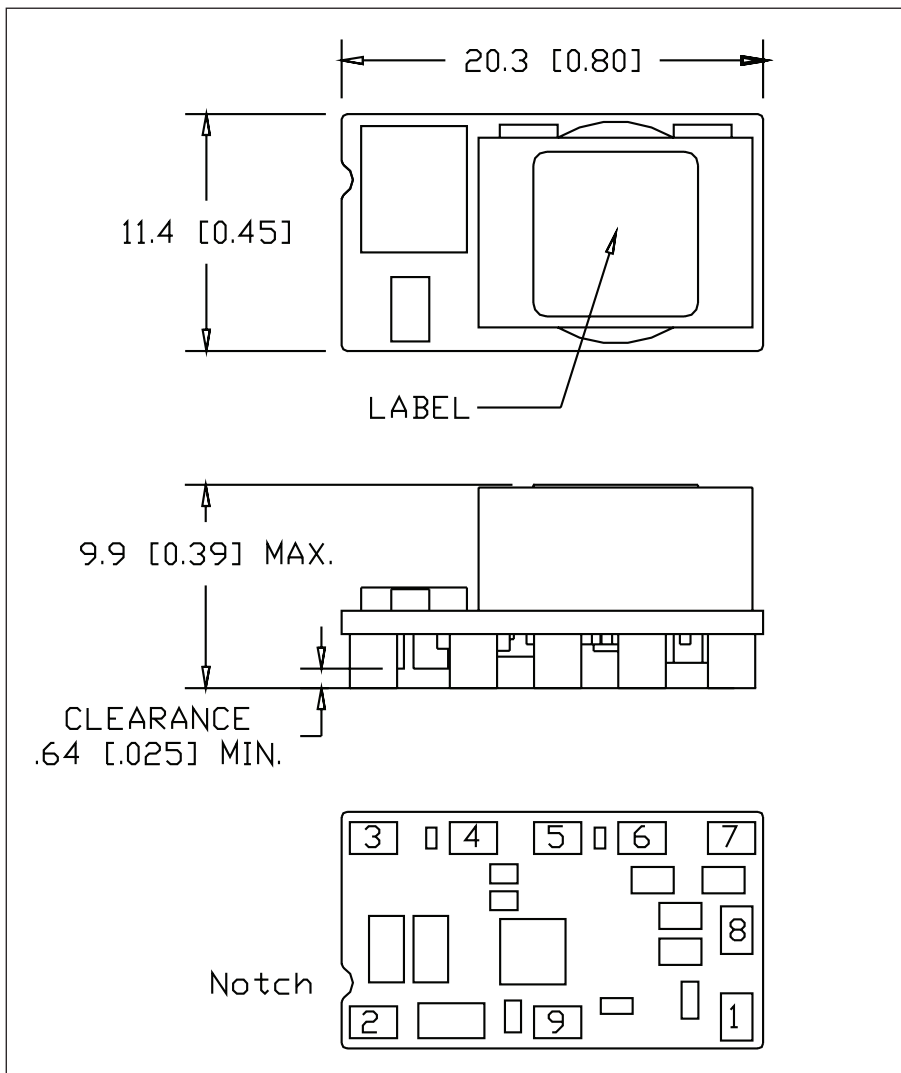
Specification		
Model		iBH12
DC Output Voltage	V	0.7 - 5.5
DC Input Voltage	V	3.5 - 14
Efficiency	%	85.5 - 96
Output Voltage Tolerance	%	±3
Switching Frequency	kHz	600
Line Regulation	mV	4
Load Regulation	mV	7
External Load Capacitance	uF	200 - 2000
Output Ripple and Noise	mVpp	20
Overcurrent Protection	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°C to 115°C (see thermal data on website)
Storage Temperature	°C	-55°C to 125°C
Safety Agency Approvals	-	IEC/UL/CSA/EN62368-1, 60950-1, CE Mark
Weight	gms	6g
Size (LxWxH)	mm	20.3 x 11.4 x 9.9
Warranty	yrs	3

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 iBH Series



Pin Assignment

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



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