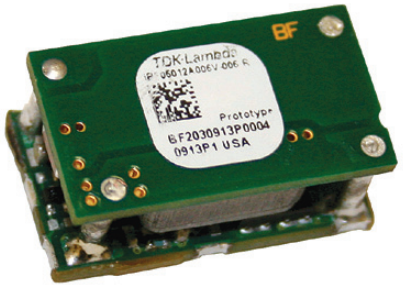
Industrial Test Comm Broadcast

12A Non-isolated SMT Point of Load



Features	Benefits
• Fully Optimised Control Loop with Excellent Transient Response	• No External Loop Tuning Components Needed
• DOSA Compatible Footprint	• Ideal for Second Sourcing
• LGA or EPC Format	• Choice of Layout

Specification

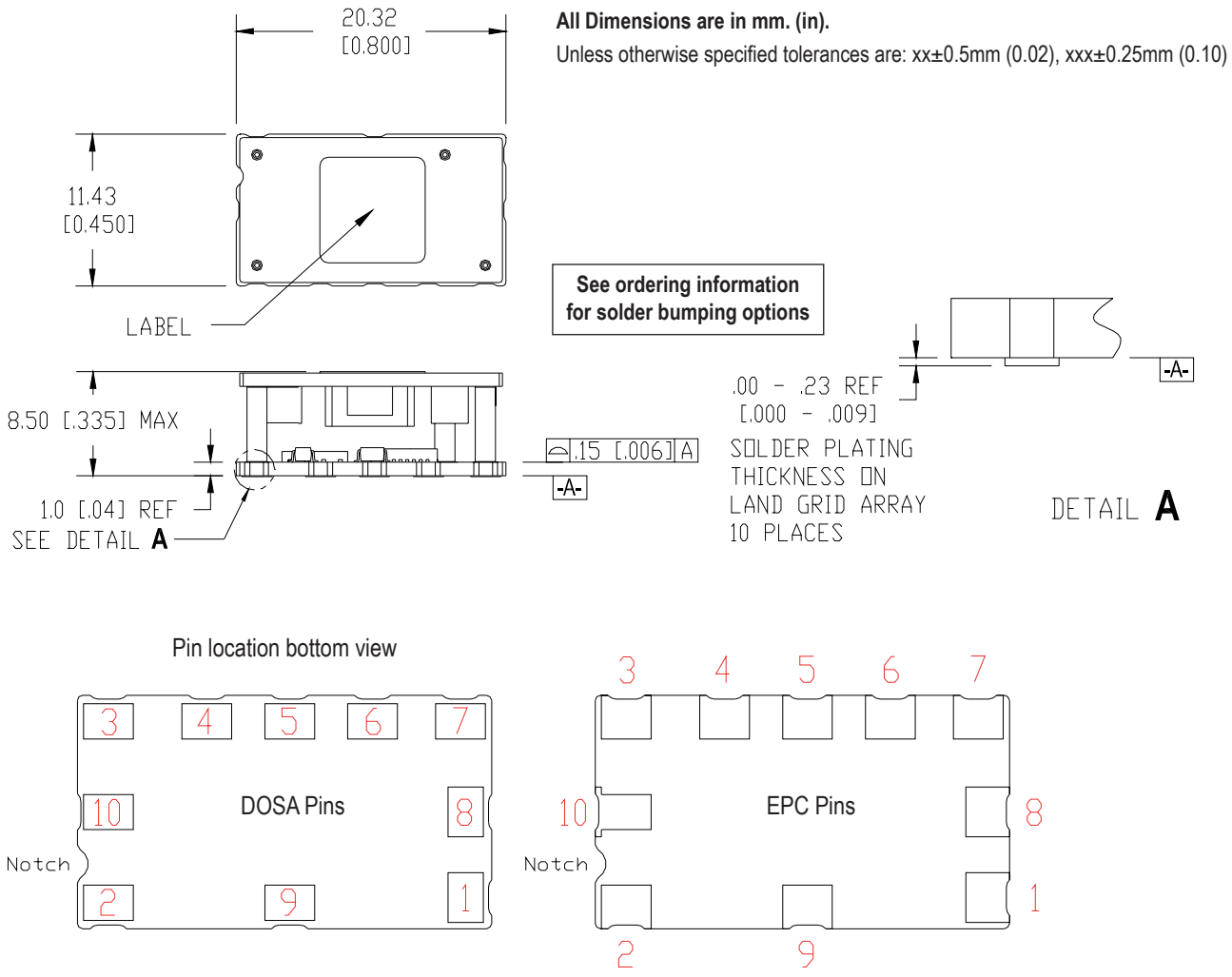
Model		iBF
DC Output Voltage	V	0.70 - 5.5
DC Input Voltage	V	4.5 - 14
Efficiency	%	83 - 94.5 (1.2Vout to 5Vout)
Output Voltage Tolerance	%	±3
Switching Frequency	kHz	600
Line Regulation	mV	6
Load Regulation	mV	5
Preload	-	none
Output Ripple and Noise	mVpp	30
Overcurrent Protection	A	Hiccup Type
Remote On / Off	-	yes
Remote Sense	-	yes
Power Good Signal	-	yes
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	g	5.5g
Size (LxWxH)	mm	20.32 x 11.43 x 8.5
Warranty	yrs	3

Model Selector

Model	Input Voltage (V)	Output Current (A)	Output Voltage (V)	Positive Logic On/Off	Negative Logic On/Off	Sequencing	LGA Solder Bumping
iBF12012A007V-007-R	4.5 -14	12	0.70 - 5.5	-	yes	-	yes*

*For EPC solder bumping specify -003-R model suffix

Outline Drawing iBF Series



Pin Assignment

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

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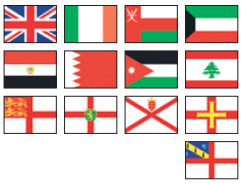

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