EBVW012A7B Barracuda Series DC-DC Converter Power Module

34 - 75Vdc Input, 12.0 Vdc Output and 12.7A Output Current

Description

The EBVW012A7B series power module has the same requirements as the EBVW020A0B series power module [consult the data sheet: http://apps.geindustrial.com/publibrary/checkout/EBVW020A0B?TNR=Data%20Sheets|EBVW020A0B|generic for details] with the following changes (shown in **bold**):

Electrical Specifications

Unless otherwise indicated, specifications apply over all operating input voltage, resistive load, and temperature conditions.

Parameter	Device	Symbol	Min	Typ	Max	Unit
Operating Input Voltage	All	V_{IN}	**34**	48	75	Vdc
Maximum Input Current	All	$I_{IN,max}$	-	-	**4.5**	Adc
Output Voltage (Over all operating input voltage, resistive load, and temperature conditions until end of life)	All	V_O	**10.4**	—	—	Vdc
Output Current	All	Io	0		**12.7**	Adc
Output Current Limit Inception	All	$I_{O, lim}$	—	**15**	**—**	Adc

Feature Specifications

Unless otherwise indicated, specifications apply over all operating input voltage, resistive load, and temperature conditions. See Feature Descriptions for additional information.

Parameter	Device	Symbol	Min	Typ	Max	Unit
Input Undervoltage Lockout						
Turn-on Threshold	All		**31**	**33**	**34**	Vdc
Turn-off Threshold	All		**31**	**32**	**33**	Vdc

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Product Option Sheet

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34-75Vdc Input; 12.0Vdc, 12.7A Output

Ordering Information

Please contact your GE Sales Representative for pricing, availability and optional features.

Table 1. Device Codes

Input Voltage	Output Voltage	Output Current	Efficiency	Connector Type	Product Code	MSL Rating	Comcode
48V (34-75Vdc)	12.0V	12.7A	95.0%	Through hole	EBVW012A7B1Z	2a	150024726
48V (34-75Vdc)	12.0V	12.7A	95.0%	Through hole	EBVW012A7B9641Z	2a	150037305

Table 2. Device Options

	Characteristic	Character and Position	Definition
Ratings	Form Factor	E	E = Eighth Brick
	Family Designator	**BV**	**BV** = BARRACUDA Series, without PMBus interface
	Input Voltage	W	W = Wide Range, 34V-75V
	Output Current	012A7	012A7 = 012.7 Amps Maximum Output Current
	Output Voltage	B	B = 12.0V nominal
Options	Trim and Remote Sense Pins	9	Omit = Exclude Trim & Sense Feature and Pins 9 = Include Trim and Sense Feature and Pins
	Pin Length	8 6	Omit = Default Pin Length shown in Mechanical Outline Figures 8 = Pin Length: 2.79 mm ± 0.25mm , (0.110 in. ± 0.010 in.) 6 = Pin Length: 3.68 mm ± 0.25mm , (0.145 in. ± 0.010 in.)
	Action following Protective Shutdown	4	Omit = Latching Mode 4 = Auto-restart following shutdown (Overcurrent/Overvoltage)
	On/Off Logic	1	Omit = Positive Logic 1 = Negative Logic
		-	
	Customer Specific	XY	XY = Customer Specific Modified Code, Omit for Standard Code
	RoHS	Z	Omit = RoHS 5/6, Lead Based Solder Used Z = RoHS 6/6 Compliant, Lead free

Contact Us

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