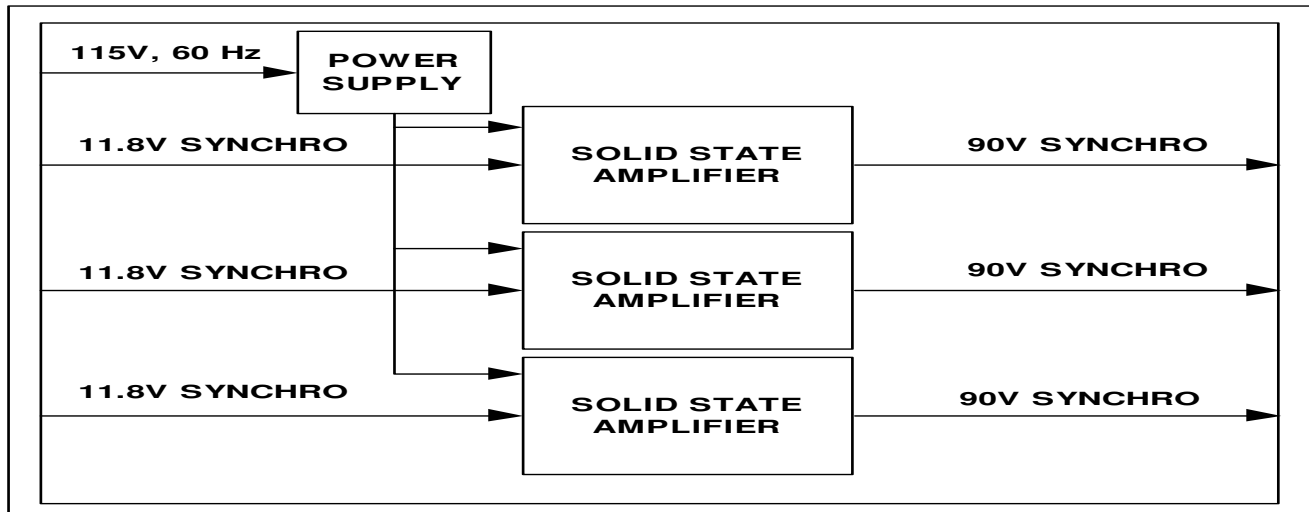

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available**

Features

- 6.81Vrms Resolver
- 11.8 or 90 Vrms Synchro
- High Efficiency
- 6VA Output
- Short Circuit and Transient Protected
- Temperature Protected
- Enable, BIT and Kick Circuitry

Chart**Overview**

The BBG-SBA operates on 115 Volt, 60 Hz or 400 Hz AC reference power to convert low power synchro or resolver inputs into high power synchro outputs. Due to the pulsating power supply, the device operates more efficiently allowing for smaller size. The SBA is current limited and voltage protected against reference and load short circuits and transients. Thermal protection is provided for temperatures in excess of +125 °C. In addition, the SBA provides Enable, BIT and Kick circuitry for added control and protection.



1708 South Park Court • Chesapeake, VA 23320

Phone: (757) 366-9211 • Fax: (757) 366-9170

E-mail: sales@bbginc.com • Website: www.bbginc.com

Technical Specifications

Parameter	Value	Units
Reference Input	115	Volts AC
	60/400	Hertz
	1	Amps
Temperature Range		
Operating	-25 to +85	°C
Storage	-65 to +125	°C
Inputs		
Synchro/Resolver	6.81, 11.8 or 90	Volts
	60/400	Hertz
	<20	Milliamps
Outputs		
Synchro (1:1)	90	Volts
	60/400	Hertz
	6	VA
Accuracy	+/-4	arc minutes
Dimensions	5.0 x 7.0 x 2.0	in
	12.7 x 17.8 x 5.1	cm



INPUTS/OUTPUTS

Inputs and outputs are available on standard 25 pin D type connectors provided with the SBA. Inputs and outputs are listed below:

I/O CONNECTOR TYPE: DB25M

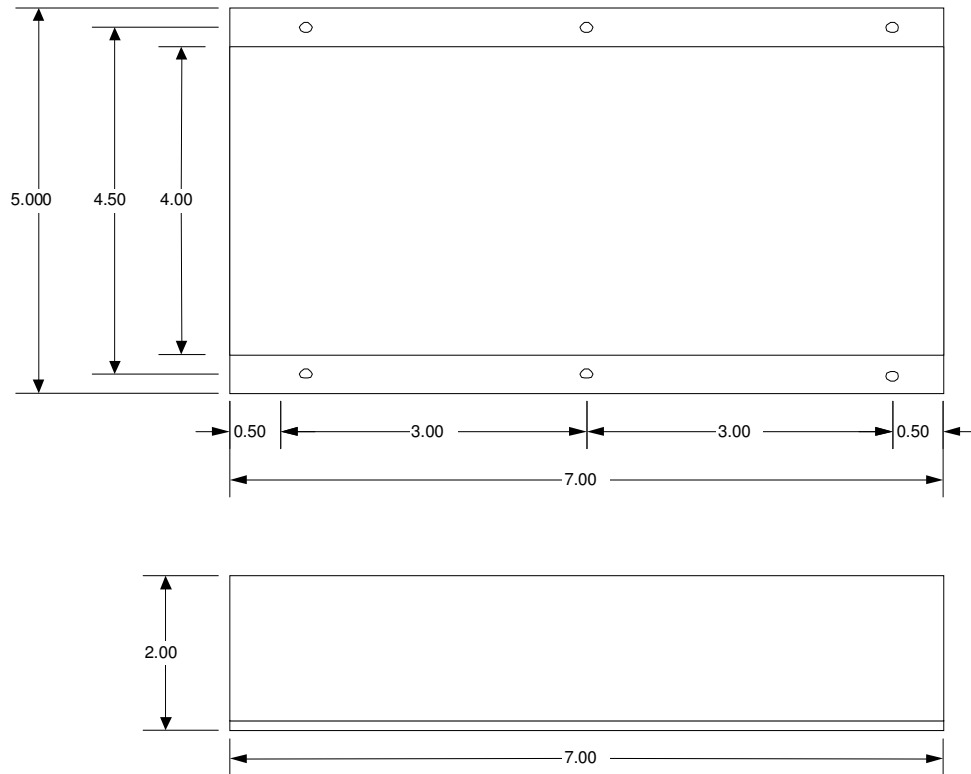
CONNECTOR MATE: DB25F

PIN NO	SIGNAL	PIN NO	SIGNAL
1	+5V	14	Disable (INPUT)
2	BIT (OUTPUT)	15	N/C
3	N/C	16	GND
4	S1 (OUTPUT)	17	S3 (OUTPUT)
5	TP	18	CO
6	KICK	19	N/C
7	TP	20	TP
8	TP	21	S2 (OUTPUT)
9	S1 (INPUT)	22	N/C
10	S3 (INPUT)	23	R2 (INPUT)
11	S4 (INPUT)	24	R1 (INPUT)
12	S2 (INPUT)	25	N/C
13	TP		

NOTES:

1. S4 used for resolver signals only.
2. N/C means no internal connection.
3. TP are test points intended for factory use only.



Mechanical Information**NOTES:**

1. Dimensions are in inches.

