



# NBF150

## EMI Filter



### How to Order:

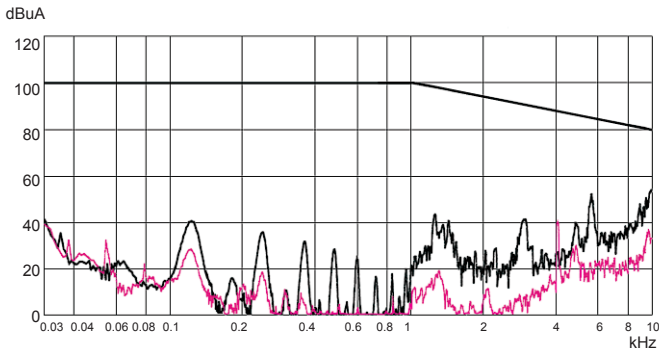
### NBF 150 - A - D

Series  
Total Output Power

- Options:  
 A- pins out side of unit  
 B- pins out bottom of unit  
 C- pins out top of unit  
 D- through hole inserts (STD threaded)  
 I - M2.5 inserts

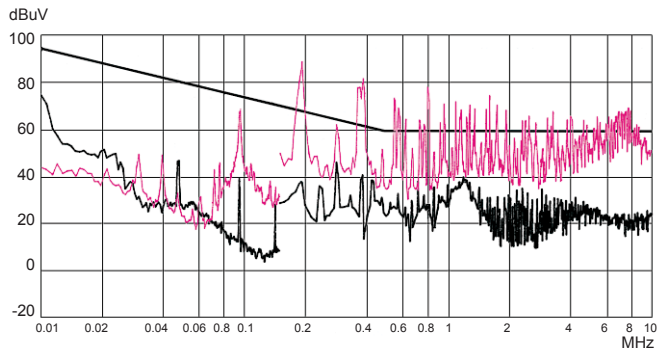
### EMI COMPARISON GRAPHS

28V<sub>in</sub> - 150 watts  
MIL-STD-461D, CE101-4



28V<sub>in</sub> - 150 watts  
MIL-STD-461D, CE102

- With NBF50
- Without NBF50



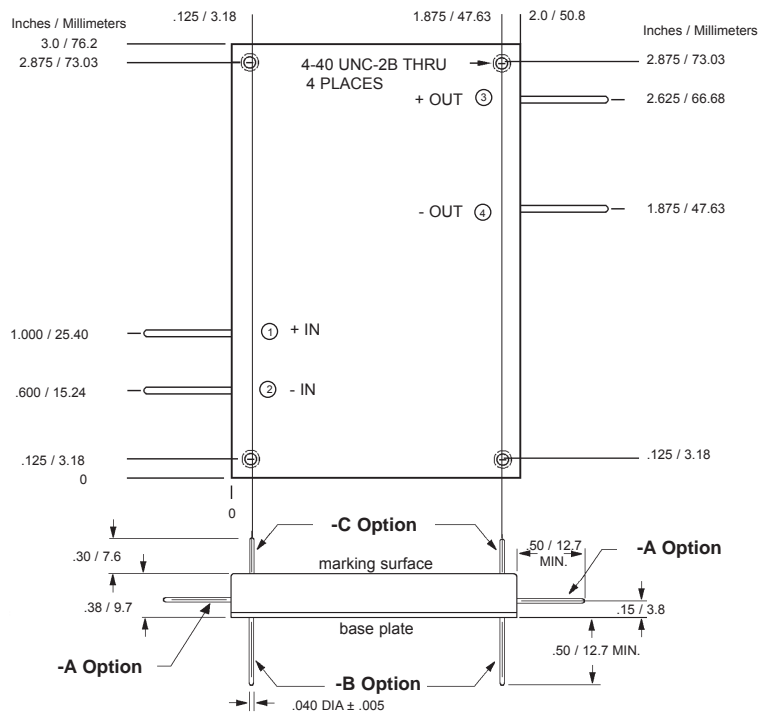
### FEATURES

- MIL-STD-461D Compliance CE101 and CE102
- Does Not Require External Components
- Meets Environmental Requirements of MIL-STD-810E and MIL-S-901
- For Use With NB80, NB100, NB150 Series DC/DC Converters

### SPECIFICATIONS

Input Voltage (maximum)	50	Vdc
Rated Output Current	15	A
Isolation (Input/Output to Case)	500	Vdc
Operating Temperature	-55 to +100	°C
Storage Temperature	-55 to +125	°C
Insulation Resistance (measured at 50Vdc)	50	M Ohm
Weight	4.2	oz.
	120	grams
Size	3.0 x 2.0 x 0.38	inch
	76.2 x 50.8 x 9.7	mm
Volume	2.28	inch <sup>3</sup>
	37.5	cm <sup>3</sup>
Material	Pin	Brass (Solder Plating)
	Baseplate	Aluminum 5052-H32
	Case	28 Gauge Steel (cold rolled)
Finish		Nickel Plating
Mounting	Standard	4-40 inserts provided in baseplate
	I Option	M2.5 metric inserts (4 places)
	D Option	0.115 DIA thru holes (4 places)

### CASE DRAWINGS



**Tolerances:**

inches	-	x.xx	= ±0.03
		x.xxx	= ±0.015
mm	-	x.x	= ±0.8
		x.xx	= ±0.40

All specifications are typical @+25°C with nominal input voltage under full output load conditions, unless otherwise noted. Specifications subject to change without notice.

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