

NLF50

EMI Filter



How to Order:

NLF 50 - A - D

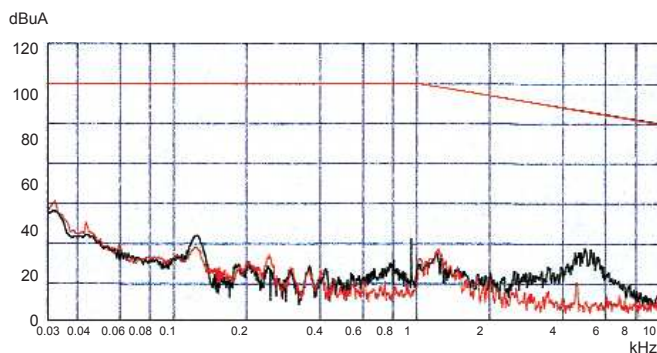
Series

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

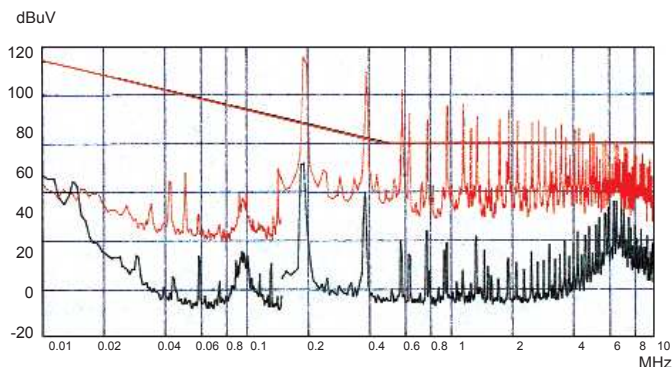
EMI COMPARISON GRAPHS



12V_{in} - 50 watts

MIL-STD-461D, CE101-4

- With NLF50
- Without NLF50



12V_{in} - 50 watts

MIL-STD-461D, CE102

- With NLF50
- Without NLF50

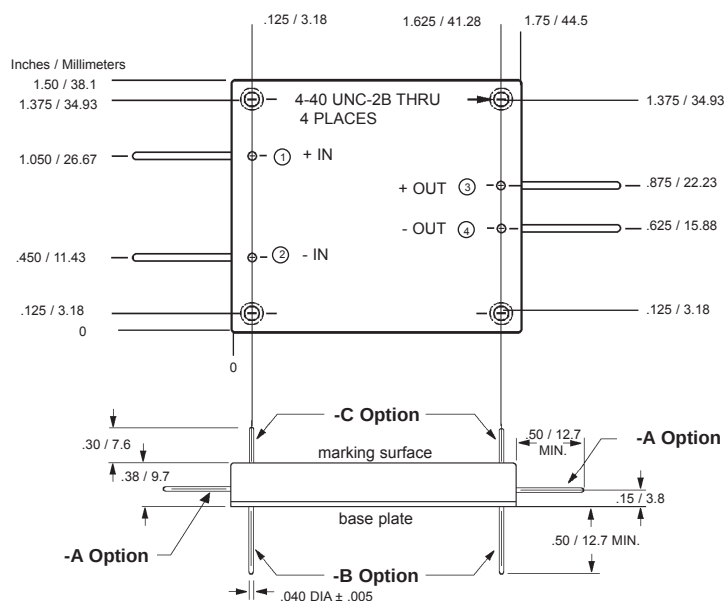


- MIL-STD-461D Compliance CE101 and CE102
- Less than 1.0 volt drop across the NLF50
- Does Not Require External Components
- Meets Environmental Requirements of MIL-STD-810E and MIL-STD-901C
- For Use With NL50 Series DC/DC Converters

SPECIFICATIONS

Input Voltage (maximum)	24	Vdc
Rated Output Current	8	A
Isolation (Input/Output to Case)	100	Vdc
Operating Temperature	-55 + 100	°C
Storage Temperature	-55 + 125	°C
Insulation Resistance (measured at 50Vdc)	50	M Ohm
Weight	1.9	oz.
	54	grams
Size	1.75 x 1.5 x 0.38	inch
	44.5 x 38.1 x 9.7	mm
Volume	1.00	inch ³
	16.5	cm ³
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 DRAWING



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