SPECTRUM CONTROL INC.

Fused Filtered Power Entry Modules

For Medical or General Purpose Applications

66-67-BFF/66-67-BFS Series

Tested and found to be IAW VDE 0565 Part 3.

Features

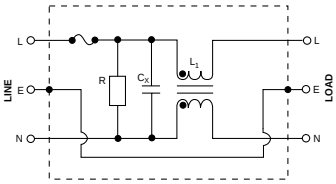
- Metric and North American fuse holders available
- Fuse holder provides effective EMI suppression of common and differential mode
- Suitable for products that must conform to FCC and FTZ requirements
- Meets over voltage category II of IEC 664 and complies with IEC 950
- Fast-on terminations or solder lug terminations
- Metal case provides effective EMI shielding
- Provides susceptibility protection without the leakage current associated with line-to-ground capacitance
- Reduces the line to ground capacitance in order to meet patient care requirements
- Operating temperature: -25°C to +85°C (including temperature rise, see graph on page 45)

Applications

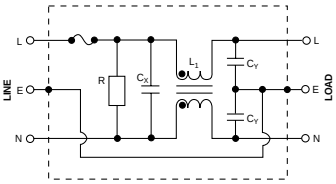
- Medical equipment
- Electronic equipment
- Digital equipment
- Industrial equipment
- Telecommunications equipment
- Measuring and testing instruments
- Personal computers and peripherals

Circuit Diagrams

66/67-BFF(S)-XXX-1-X Filter



66/67-BFF(S)-XXX-0-X and 66/67-BFF(S)-XXX-4-X Filters



Specifications

Model*	Rated Voltage (@ 50/60Hz)	Rated Current	Leakage Current (Max.)	Capacitance C_Y	Capacitance C_X	Inductance (L_1)	Temperature Rise (Max.)
66-XXX-020-1-11	250VAC	2A	0.01mA	none	0.1uF	6.5mH	40°C
66-XXX-020-1-12					0.22uF		
66-XXX-020-0-11			0.075mA	330pF ± 20%	0.1uF		
66-XXX-020-4-11			0.1mA	470pF ± 20%			
66-XXX-020-0-12			0.075mA	330pF ± 20%	0.22uF		
66-XXX-020-4-12			0.1mA	470pF ± 20%			
66-XXX-040-1-11	250VAC	4A	0.01mA	none	0.1uF	4.2mH	45°C
66-XXX-040-1-12					0.22uF		
66-XXX-040-0-11			0.075mA	330pF ± 20%	0.1uF		
66-XXX-040-4-11			0.1mA	470pF ± 20%			
66-XXX-040-0-12			0.075mA	330pF ± 20%	0.22uF		
66-XXX-040-4-12			0.1mA	470pF ± 20%			
66-XXX-060-1-11	250VAC	6A	0.01mA	none	0.1uF	1.6mH	45°C
66-XXX-060-1-12					0.22uF		
66-XXX-060-0-11			0.075mA	330pF ± 20%	0.1uF		
66-XXX-060-4-11			0.1mA	470pF ± 20%			
66-XXX-060-0-12			0.075mA	330pF ± 20%	0.22uF		
66-XXX-060-4-12			0.1mA	470pF ± 20%			
67-XXX-020-1-11	125VAC	2A	0.005mA	none	0.1uF	6.5mH	40°C
67-XXX-020-1-12					0.22uF		
67-XXX-020-0-11			0.035mA	330pF ± 20%	0.1uF		
67-XXX-020-4-11			0.05mA	470pF ± 20%			
67-XXX-020-0-12			0.035mA	330pF ± 20%	0.22uF		
67-XXX-020-4-12			0.05mA	470pF ± 20%			
67-XXX-040-1-11	125VAC	4A	0.005mA	none	0.1uF	4.2mH	45°C
67-XXX-040-1-12					0.22uF		
67-XXX-040-0-11			0.035mA	330pF ± 20%	0.1uF		
67-XXX-040-4-11			0.05mA	470pF ± 20%			
67-XXX-040-0-12			0.035mA	330pF ± 20%	0.22uF		
67-XXX-040-4-12			0.05mA	470pF ± 20%			
67-XXX-060-1-11	125VAC	6A	0.005mA	none	0.1uF	1.6mH	45°C
67-XXX-060-1-12					0.22uF		
67-XXX-060-0-11			0.035mA	330pF ± 20%	0.1uF		
67-XXX-060-4-11			0.05mA	470pF ± 20%			
67-XXX-060-0-12			0.035mA	330pF ± 20%	0.22uF		
67-XXX-060-4-12			0.05mA	470pF ± 20%			

Note: Test Voltage 1500VAC one minute, line to ground
Insulation Resistance: 300 MΩ min. at 500VDC
F(S) = Fast-on or (Solder lug terminals)

Voltage Drop: 1V max. at rated current
Weight: 78g
Inlet: Compatible with IEC-320

*** Substitute BFF or BFS for XXX**
BFF - Fast-on terminals
BFS - Solder lug terminals

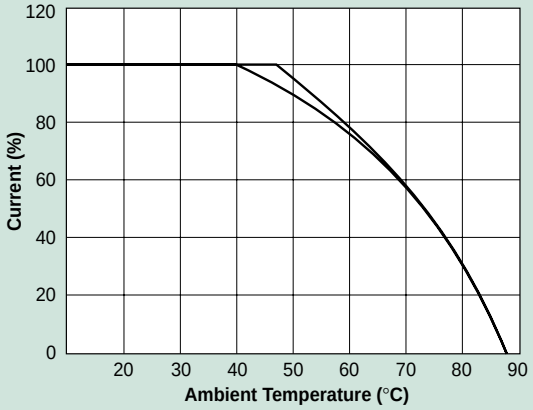
SPECTRUM CONTROL INC.

Fused Filtered Power Entry Modules

For Medical or General Purpose Applications

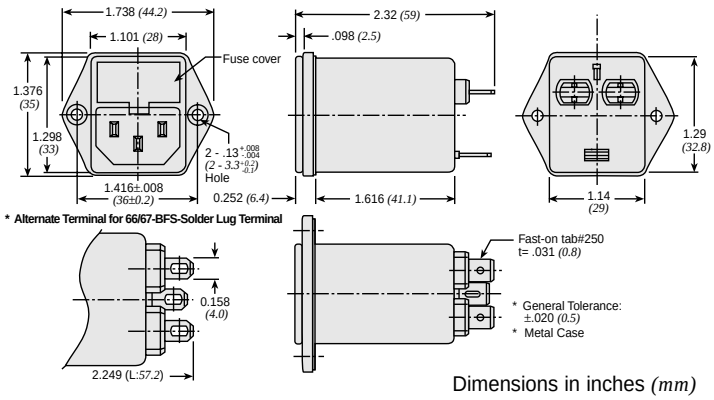
66-67-BFF/66-67-BFS Series

Temperature Characteristics



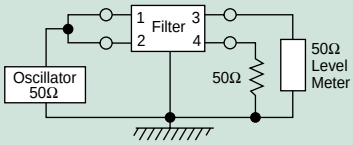
Dimensions

66-67-BFF/66-67-BFS Series

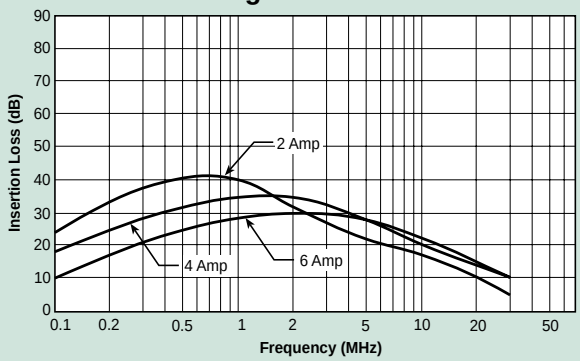


Dimensions in inches *(mm)*

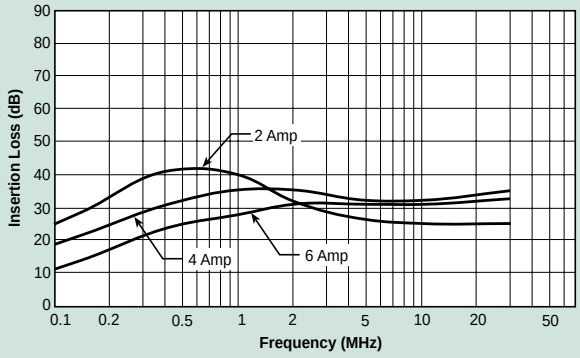
Common Mode



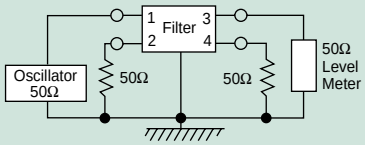
0.01 mA Leakage Current



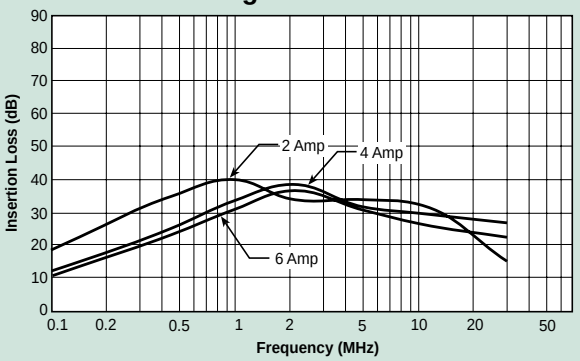
0.075 and 0.1 mA Leakage Current



Normal Mode



0.01 mA Leakage Current



0.075 and 0.1 mA Leakage Current