

Series F3480/F3600



Specifications:

Rated Voltage: 480 VAC - 50/60 Hz
600 VAC - 50/60 Hz

Rated Current: 480 VAC - 9A to 608A
600 VAC - 8A to 600A

Current Overload: 6X for 8 seconds

Hi-Pot Test (1 min):	480VAC	600VAC
Line to Ground	2210 VDC	3150 VDC
Line to Line	2780 VDC	3150 VDC

Insulation Resistance: 1000 MΩ min. at 250 VDC

Ambient Temperature: 0°C to 40°C (32°F to 104°F)

Humidity Range: 0% to 95% R.H.

Termination:

- Wire
- Terminal Blocks
- Pressure Terminal Blocks

Weight: 3 to 65lbs (1.36 to 29.50kg)

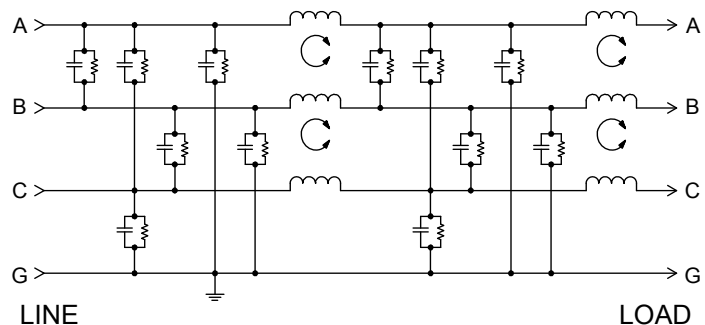
Agency Approvals:



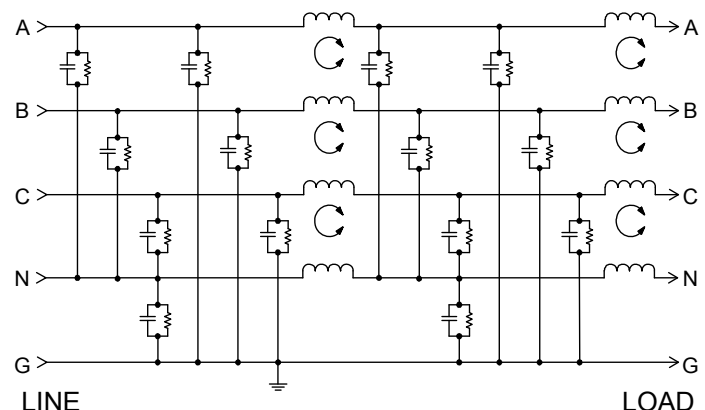
Designed to attenuate conducted interference in a small package providing excellent insertion loss, the F3480/F3600 series filters will provide effective EMC solutions up to 600A at 600VAC and power applications up to 360kVA. With effective noise suppression in the critical 150kHz-30MHz range, this advanced 2-stage filter line will support both Delta and Wye connected loads. Curtis three phase filters are designed to provide EMC solutions in many applications such as:

- Motor
- Motor Control Centers
- Facility Filters
- Uninterruptible Power Supplies
- Power Conditioning Units
- Laser Welders
- Automated Test Equipment
- Robotics
- CNC Machinery
- Elevators
- Industrial Ovens

F3480 Simplified Schematic



F3600 Simplified Schematic



3-Phase Power Line Filters

Ordering Information:

F3600 T 600

3-Phase Series:

F3480 = 480 VAC

F3600 = 600 VAC

T = Terminal Blocks

B = Wire Leads

A = .250 Q.C. Terminal
(8 - 50A Only)

Current Rating 008 - 608
(Refer to Charts)

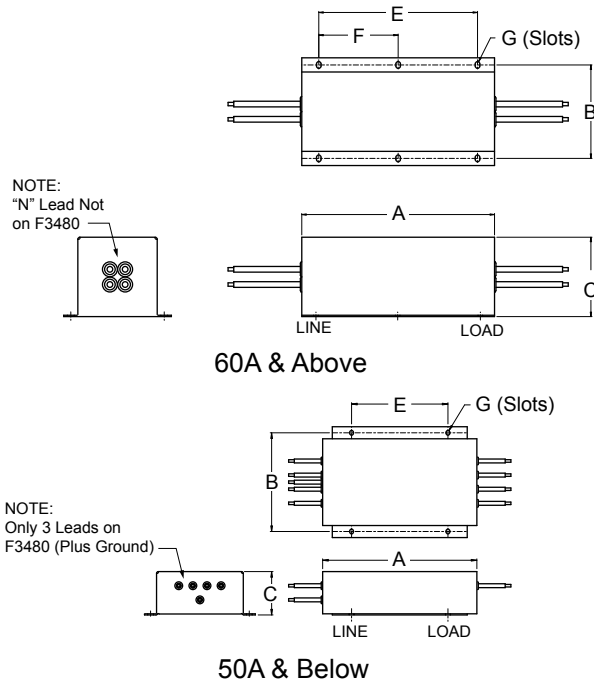
F3480 Series - 480 VAC																	
Rated Current (Amps)	Part Number	Maximum Leakage Each L/G (250V, 60Hz)	Minimum Insertion Loss (dB)							Dimensions (Inches)							
										A	B	C	D	E	F	G	
608A	F3480T608	140mA		Frequency (MHz)						18.75	5.25	5.93	41.25	16.00	8.00	.28 x .40	
			.15	.5	1	5	10	30									
	CM		60	70	70	60	45	30	DM	30	40	40	35				30
322A	F3480T322	90mA		Frequency (MHz)						10.50	5.25	4.63	23.50	8.00	4.00	.28 x .40	
			.15	.5	1	5	10	30									
	CM		60	70	70	65	55	45	DM	30	40	40	40				35
185A	F3480T185	90mA		Frequency (MHz)						11.25	4.12	4.25	20.25	10.00	5.00	.20 x .30	
			.15	.5	1	5	10	30									
	CM		60	70	70	65	55	45	DM	30	35	35	45				40
135A	F3480T136	80mA		Frequency (MHz)						8.50	4.12	4.25	16.00	7.00	3.50	.20 x .30	
			.15	.5	1	5	10	30									
	CM		60	65	70	60	50	40	DM	25	35	45	30				30
112A	F3480T112	80mA		Frequency (MHz)						8.50	4.12	4.25	16.00	7.00	3.50	.20 x .30	
			.15	.5	1	5	10	30									
	CM		60	65	70	60	50	40	DM	25	35	45	30				30
80A	F3480T080	30mA		Frequency (MHz)						8.50	4.12	4.25	16.00	7.00	3.50	.20 x .30	
			.15	.5	1	5	10	30									
	CM		60	70	70	65	55	45	DM	15	25	45	40				40
60A	F3480T060	30mA		Frequency (MHz)						8.50	4.12	4.25	16.00	7.00	3.50	.20 x .30	
			.15	.5	1	5	10	30									
	CM		60	70	70	65	55	45	DM	15	25	45	40				40
50A	F3480A050	15mA		Frequency (MHz)						8.00	5.12	2.25	--	5.00	--	.19 x .25	
	F3480B050			.15	.5	1	5	10	30				--				
	F3480T050		CM	60	75	80	75	70	50				DM				10
32A	F3480A032	7mA		Frequency (MHz)						8.00	5.12	2.25	--	5.00	--	.19 x .25	
	F3480B032			.15	.5	1	5	10	30				--				
	F3480T032		CM	60	70	80	75	65	45				DM				10
16A	F3480A016	3mA		Frequency (MHz)						6.00	3.88	2.00	--	4.00	--	.16 x .20	
	F3480B016			.15	.5	1	5	10	30				--				
	F3480T016		CM	50	70	80	75	65	50				DM				10
9A	F3480A009	3mA		Frequency (MHz)						6.00	3.88	2.00	--	4.00	--	.16 x .20	
	F3480B009			.15	.5	1	5	10	30				--				
	F3480T009		CM	60	80	80	70	60	50				DM				30

THREE-PHASE FILTERS

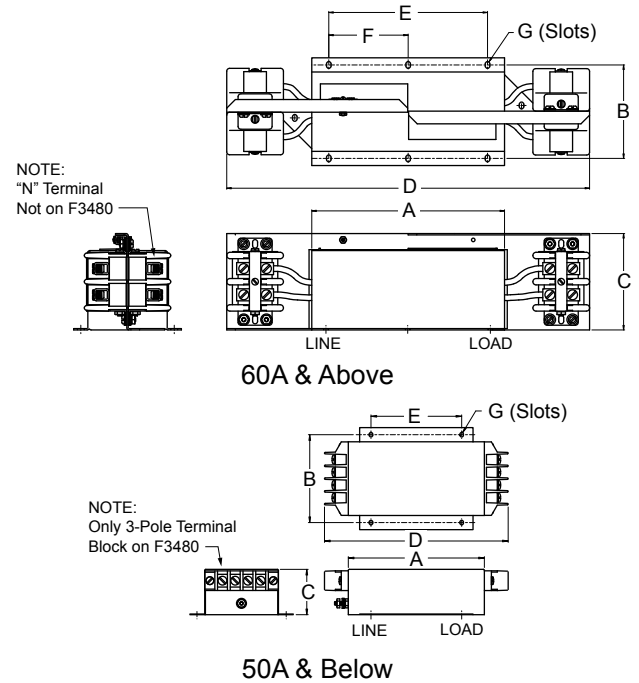


Series F3480/F3600

F3480B & F3600B Dimensions



F3480T & F3600T Dimensions



F3600 Series - 600 VAC

Rated Current (Amps)	Part Number	Maximum Leakage Each L/G (250V, 60Hz)	Minimum Insertion Loss (dB)						Dimensions (Inches)							
									A	B	C	D	E	F	G	
600A	F3600T600	120mA		Frequency (MHz)						18.75	5.25	5.93	41.25	16.00	8.00	.28 x .40
			.15	.5	1	5	10	30	18.75	5.25	4.50	--				
	CM		60	60	50	50	40	30								
	F3600B600		DM	20	35	35	30	25	20							
300A	F3600T300	60mA		Frequency (MHz)						10.50	5.25	5.93	26.50	8.00	4.00	.28 x .40
			.15	.5	1	5	10	30	10.50	5.25	4.50	--				
	CM		60	60	50	50	40	30								
	F3600B300		DM	25	30	35	45	30	20							
180A	F3600T180	60mA		Frequency (MHz)						11.25	4.12	4.25	20.25	10.00	5.00	.20 x .30
			.15	.5	1	5	10	30	11.25	4.12	3.50	--				
	CM		60	60	60	60	50	40								
	F3600B180		DM	20	30	35	45	40	30							
80A	F3600T080	30mA		Frequency (MHz)						8.50	4.12	4.25	16.00	7.00	3.50	.20 x .30
			.15	.5	1	5	10	30	8.50	4.12	3.50	--				
	CM		60	60	60	60	50	40								
	F3600B080		DM	15	25	25	40	40	30							
45A	F3600A045	10mA		Frequency (MHz)						8.00	5.12	2.25	--	5.00	--	.19 x .25
			.15	.5	1	5	10	30	--							
	CM		60	60	80	70	60	45	10.10							
	F3600B045		DM	10	10	15	50	40	30							
	F3600T045			Frequency (MHz)												
25A	F3600A025	8mA		Frequency (MHz)						8.00	5.12	2.25	--	5.00	--	.19 x .25
			.15	.5	1	5	10	30	--							
	CM		60	60	80	70	60	45	10.10							
	F3600B025		DM	5	5	30	50	40	30							
	F3600T025			Frequency (MHz)												
16A	F3600A016	4mA		Frequency (MHz)						6.00	3.88	2.00	--	4.00	--	.16 x .20
			.15	.5	1	5	10	30	--							
	CM		50	70	80	70	60	45	8.10							
	F3600B016		DM	5	5	35	40	40	40							
	F3600T016			Frequency (MHz)												
8A	F3600A008	4mA		Frequency (MHz)						6.00	3.88	2.00	--	4.00	--	.16 x .20
			.15	.5	1	5	10	30	--							
	CM		60	70	80	70	60	45	8.10							
	F3600B008		DM	5	10	50	40	40	40							
	F3600T008			Frequency (MHz)												

