

SLA Series — Cabinets and Signal/Data/Control Filters

SLA Series

Enclosure

- Modified NEMA I, constructed of not less than #14 gauge CRS with galvanized bulkhead
- Blue epoxy finish to all non-conductive surfaces
- R. F. Radiation of the shielded (load) side greater than 100 dB up to 10 GHz
- Front cover access
- Pre-wired push pin terminal blocks or screw type terminations
- MOV or Gas tube arrestors installed upon request
- Legs for floor mount available

Individual Filters

- Each filter is a dual circuit
- Sealed with soldered seams
- Covered with suitable plating
- Designed and tested per MIL-PRF-15733, latest revision

Filter Selection *(Part Numbers for Ordering)*

- WFV3470 — Telephone (KS20162)
- WFV3544 — Telephone (Standard)
- WFV3577 — Telephone (Special)
- WFV3561 — Data (9.6 KBAUD)
- WFV3562 — Data (19.2 KBAUD)
- WFV3563 — Data (56.0 KBAUD)
- WFV3564 — Fire Alarm
- WFV3575 — Intercom
- NF21590 — Control (1.0 A)
- NF21593-3 — Control (3.0 A)
- NF21593-5 — Control (5.0 A)

Applicable Publications:

- MIL-PRF-15733 — Filters, Radio Interference
- MIL-STD-220 — Test Method of Insertion Loss

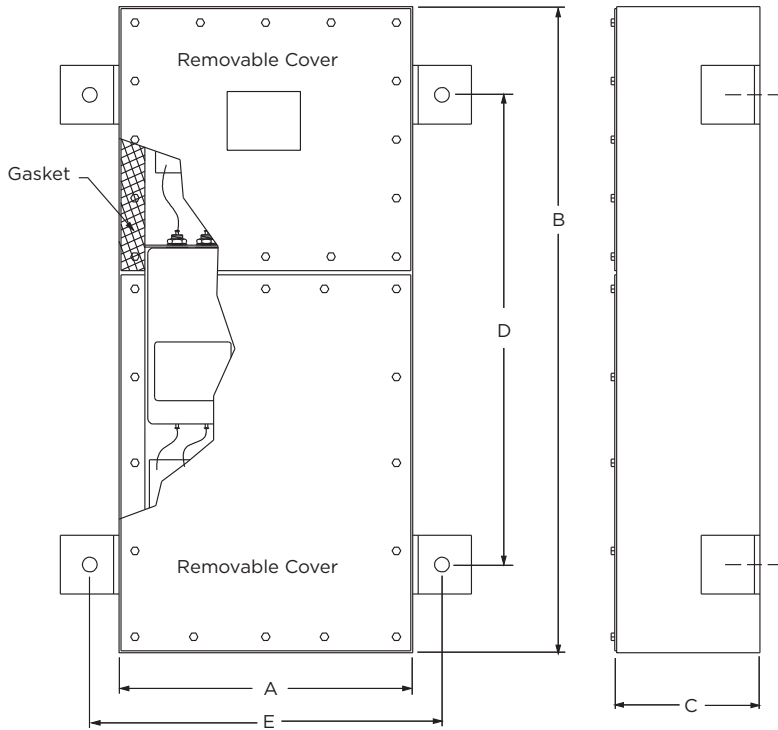


SLA Series – Cabinets and Signal/Data/Control Filters *(continued)*

SLA Series Cabinets and Pre-installed Filters

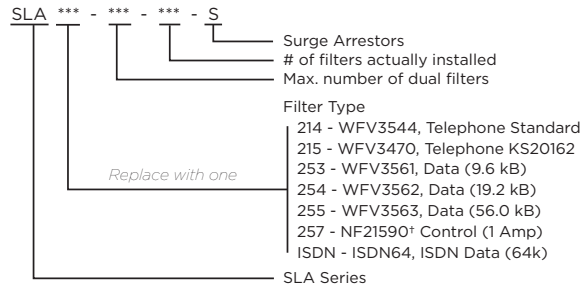
For use with the following filters:

- 214 - WFV3544, Telephone Standard
- 215 - WFV3470, Telephone KS20162
- 253 - WFV3561, Data (9.6 kB)
- 254 - WFV3562, Data (19.2 kB)
- 255 - WFV3563, Data (56.0 kB)
- 257 - NF21590+ Control (1 Amp)
- ISDN - ISDN64, ISDN Data (64k)



Enclosure w/Filters	Number of Dual Filters	Dimensions					Approx. Weight (Pounds/KG)
		A ±.125 [3.18]	B ±.25 [3.18]	C ±.25 [6.4]	D ±.06 [1.5]	E ±.06 [1.5]	
SLA***-4	4	8.0	20.0	5.0	14.0	10.0	18
		<i>203.2</i>	<i>508.0</i>	<i>127.0</i>	<i>355.6</i>	<i>254.0</i>	<i>8.16</i>
SLA***-10	10	18.0	20.0	5.0	14.0	20.0	45
		<i>457.2</i>	<i>508.0</i>	<i>127.0</i>	<i>355.6</i>	<i>508.0</i>	<i>20.4</i>
SLA***-25	25	18.0	24.0	9.5	18.0	20.0	90
		<i>457.2</i>	<i>609.6</i>	<i>241.3</i>	<i>457.2</i>	<i>508.0</i>	<i>40.8</i>
SLA***-50	50	32.0	26.0	9.5	20.0	34.0	115
		<i>812.8</i>	<i>660.4</i>	<i>241.3</i>	<i>508.0</i>	<i>863.6</i>	<i>52.2</i>
SLA***-100	100	42.0	28.0	12.75	22.0	44.0	285
		<i>1066.8</i>	<i>711.2</i>	<i>323.8</i>	<i>558.8</i>	<i>1117.6</i>	<i>129.3</i>
SLA***-150	150	32.0	50.0	15.5	44.0	34.0	475
		<i>823.8</i>	<i>1270.0</i>	<i>393.7</i>	<i>1117.6</i>	<i>863.6</i>	<i>215.5</i>
SLA***-200	200	34.0	64.0	15.5	61.5	36.0	650
		<i>863.6</i>	<i>1625.6</i>	<i>393.7</i>	<i>1562.1</i>	<i>914.4</i>	<i>294.8</i>

How to Order:



Example: SLA214-100-75-S =
75 Telephone Filters installed inside 100 space cabinet with surge arrestors

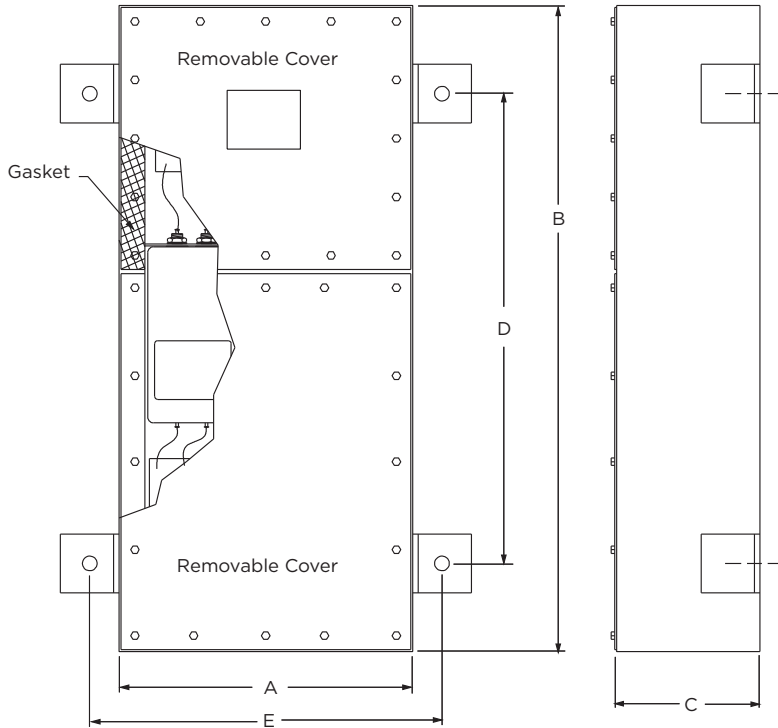
† NFL21590 inductive input version provided when used with surge arrestor

SLA Series – Cabinets and Signal/Data/Control Filters *(continued)*

SLA Series Cabinets and Pre-installed Filters

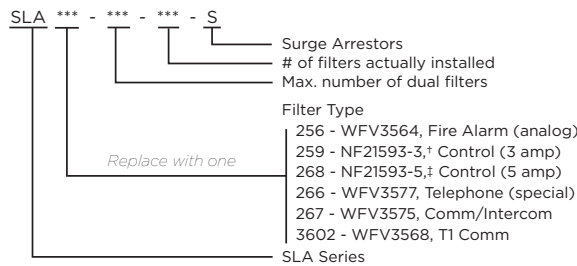
For use with the following filters:

- 256 - WFV3564, Fire Alarm (analog)
- 259 - NF21593-3,† Control (3 amp)
- 268 - NF21593-5,‡ Control (5 amp)
- 266 - WFV3577, Telephone (special)
- 267 - WFV3575, Comm/Intercom
- 3602 - WFV3568, T1 Comm



Enclosure w/Filters	Number of Dual Filters	Dimensions					Approx. Weight (Pounds/KG)
		A ±.125 [3.18]	B ±.125 [3.18]	C ±.25 [6.4]	D ±.06 [1.5]	E ±.06 [1.5]	
SLA***-4	4	10.0	22.0	6.0	12.0	12.0	20
		<i>254.0</i>	<i>558.8</i>	<i>152.4</i>	<i>304.8</i>	<i>304.8</i>	<i>9.08</i>
SLA***-10	10	20.0	22.0	6.0	22.0	22.0	50
		<i>508.0</i>	<i>558.8</i>	<i>152.4</i>	<i>558.8</i>	<i>558.8</i>	<i>22.7</i>
SLA***-25	25	20.0	28.0	12.0	22.0	22.0	140
		<i>508.0</i>	<i>711.2</i>	<i>304.8</i>	<i>558.8</i>	<i>558.8</i>	<i>63.5</i>
SLA***-50	50	38.0	28.0	12.0	22.0	40.0	250
		<i>965.2</i>	<i>711.2</i>	<i>304.8</i>	<i>558.8</i>	<i>1016.0</i>	<i>113.4</i>
SLA***-100	100	54.0	30.0	15.0	24.0	56.0	450
		<i>1371.6</i>	<i>762.0</i>	<i>381.0</i>	<i>609.6</i>	<i>1422.4</i>	<i>204.2</i>
SLA***-150	150	36.0	64.0	18.0	56.0	38.0	670
		<i>914.4</i>	<i>1625.6</i>	<i>457.2</i>	<i>1422.4</i>	<i>965.2</i>	<i>303.9</i>
SLA***-200	200	42.0	72.0	22.0	64.0	44.0	1000
		<i>1066.8</i>	<i>1828.8</i>	<i>558.8</i>	<i>1625.6</i>	<i>1117.6</i>	<i>453.6</i>

How to Order:

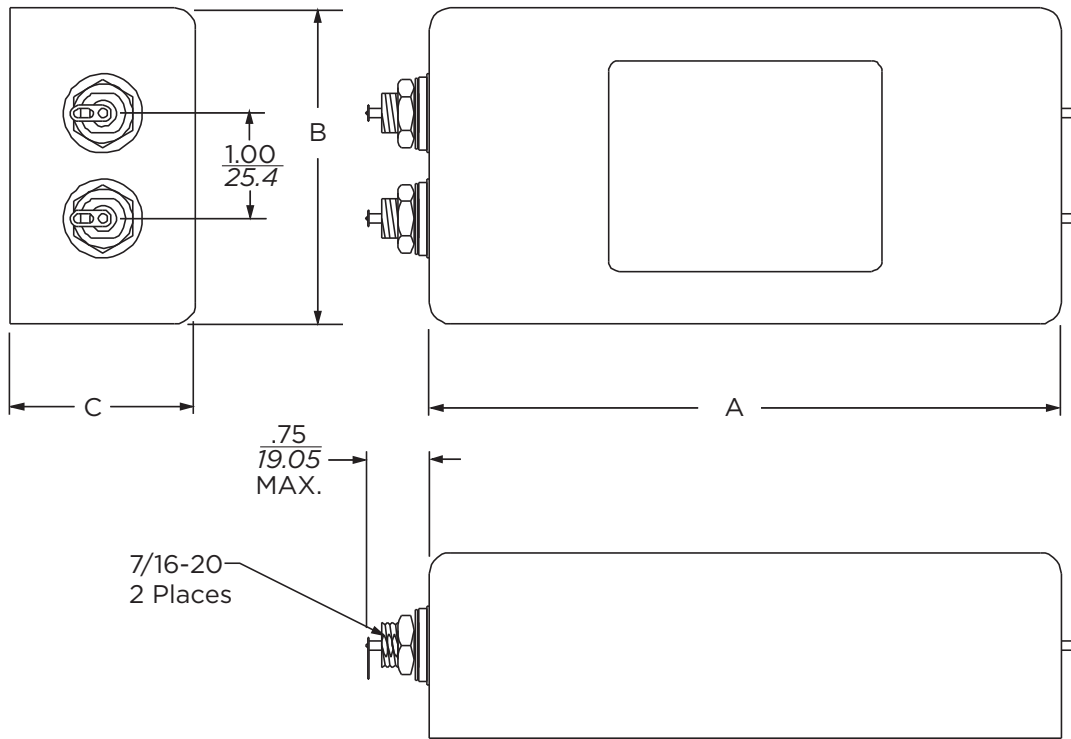


Example: SLA266-25-50-S =
25 Analog Fire Alarm Filters installed inside 50 space cabinet with surge arrestors

† NFL21593-3 inductive input version provided when used with surge arrester
‡ NFL21595-5 inductive input version provided when used with surge arrester

SLA Series – Cabinets and Signal/Data/Control Filters *(continued)*

SLA Series Filters



Model No.	Type	Impedance (Ohms)	Insertion Loss (dB)		Current (Amp)	Case Size			Filter Installs in Cabinet
			Pass Band	Stop Band		A	B	C	
WfV3470	Telephone (KS20162)	300/600	5kHz	65 dB, 14kHz, 100 dB, 30kHz-10GHz	0.16	5.25 <i>133.4</i>	2.50 <i>63.5</i>	1.25 <i>31.8</i>	SLA215
WfV3544	Telephone (Standard)	300/600	3kHz	100 dB, 14kHz-10GHz	0.5	5.25 <i>133.4</i>	2.50 <i>63.5</i>	1.25 <i>31.8</i>	SLA214
WfV3577	Telephone (Special)	300/600	5kHz	80 dB, 14kHz-10GHz	0.5	6.00 <i>152.4</i>	3.00 <i>76.2</i>	1.75 <i>44.5</i>	SLA266
WfV3561	Data (9.6kB)	300/600	28kHz	100 dB, 150kHz-10GHz	0.2	5.25 <i>133.4</i>	2.50 <i>63.5</i>	1.25 <i>31.8</i>	SLA253
WfV3562	Data (19.2kB)	50/100	56kHz	100 dB, 300kHz-10GHz	0.2	5.25 <i>133.4</i>	2.50 <i>63.5</i>	1.25 <i>31.8</i>	SLA254
WfV3563	Data (56kB)	50/100	168kHz	100 dB, 1MHz-10GHz	0.2	5.25 <i>133.4</i>	2.50 <i>63.5</i>	1.25 <i>31.8</i>	SLA255
ISDN64	Data (64k)	67.5/135	160kHz	100 dB, 1MHz to 10GHz	0.1	5.25 <i>133.4</i>	2.50 <i>63.5</i>	1.25 <i>31.8</i>	SLAISDN
WfV3564	Fire Alarm (Analog)	63/126	N/A	100 dB, 14kHz-10GHz	1.0	6.00 <i>152.4</i>	3.00 <i>76.2</i>	1.75 <i>44.5</i>	SLA256
WfV3568	T1 Communication	50/100	4.8MHz	100 dB, 5MHz-10GHz	0.5	6.00 <i>152.4</i>	3.00 <i>76.2</i>	1.75 <i>44.5</i>	SLA3602
WfV3575	Comm/ Intercom	22.5/95	3kHz	100 dB, 14kHz-10GHz	0.5	6.00 <i>152.4</i>	3.00 <i>76.2</i>	1.75 <i>44.5</i>	SLA267
NF21590 NFL21590*	Control (1A)	50/100	N/A	100 dB, 14kHz-10GHz	1.0	5.25 <i>133.4</i>	2.50 <i>63.5</i>	1.25 <i>31.8</i>	SLA257
NF21593-3 NFL21593-3*	Control (3A)	50/100	N/A	100 dB, 14kHz-10GHz	3.0	6.00 <i>152.4</i>	3.00 <i>76.2</i>	1.75 <i>44.5</i>	SLA259
NF21593-5 NFL21593-5*	Control (5A)	50/100	N/A	100 dB, 14kHz-10GHz	5.0	6.00 <i>152.4</i>	3.00 <i>76.2</i>	1.75 <i>44.5</i>	SLA268

The above filters are used for AC or DC applications up to 125VAC/400VDC, **EXCEPT** WfV3575 which is 50 VAC/100 VDC.
* Inductive input versions, intended for use with surge arrester.