
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:

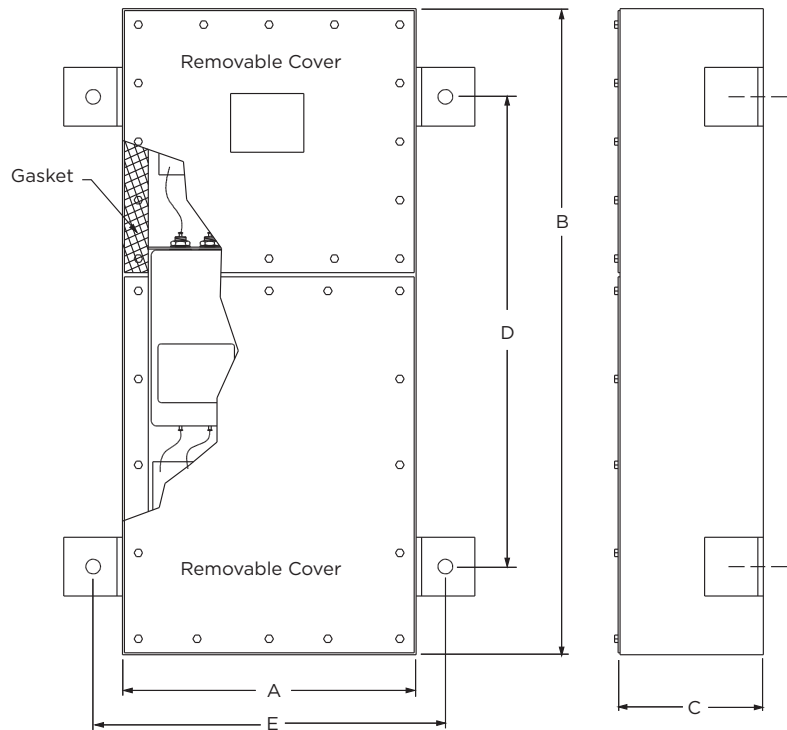
- MIL-PRF-15733 — Filters, Radio Interference
- MIL-STD-220 — Test Method of Insertion Loss



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

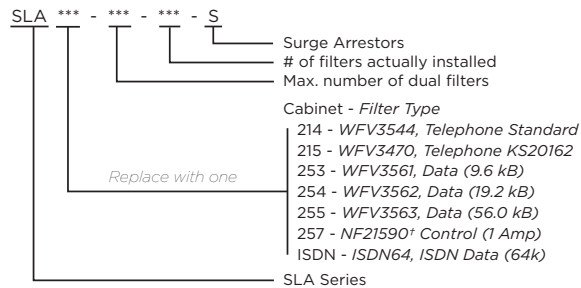
SLA Series Cabinets for use with 1.25” Filters

Cabinet	Accommodates 1.25” Filter
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 (1A)
ISDN	SDN64, 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:



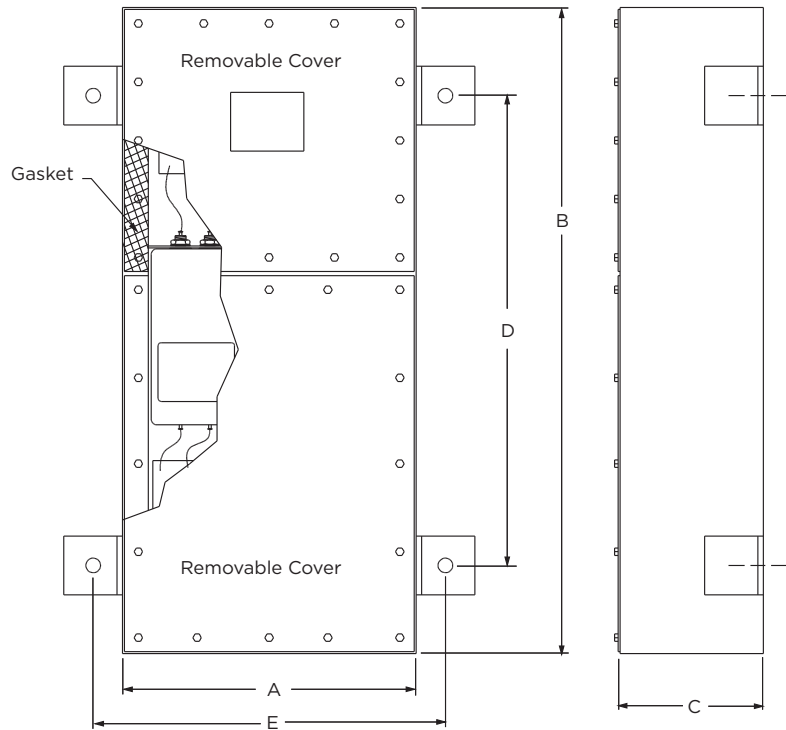
Example: SLA214-100-75-S =
75 Telephone Filters installed inside 100 space cabinet with surge arrestors

[†] NFL21590 inductive input version provided when used with surge arressor

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

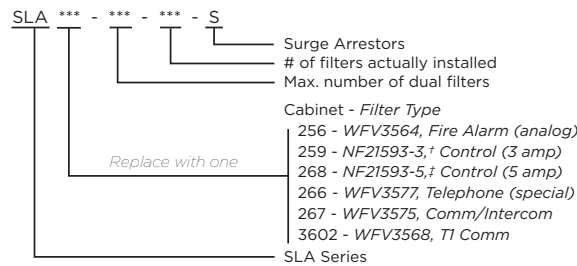
SLA Series Cabinets for use with 1.75” Filters

Cabinet	Accommodates 1.75” Filter
256	WFV3564, Fire Alarm (analog)
259	NF21593-3,† Control (3A)
268	NF21593-5,‡ Control (5A)
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>	9.08
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>	22.7
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>	63.5
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>	113.4
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>	204.2
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>	303.9
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>	453.6

How to Order:

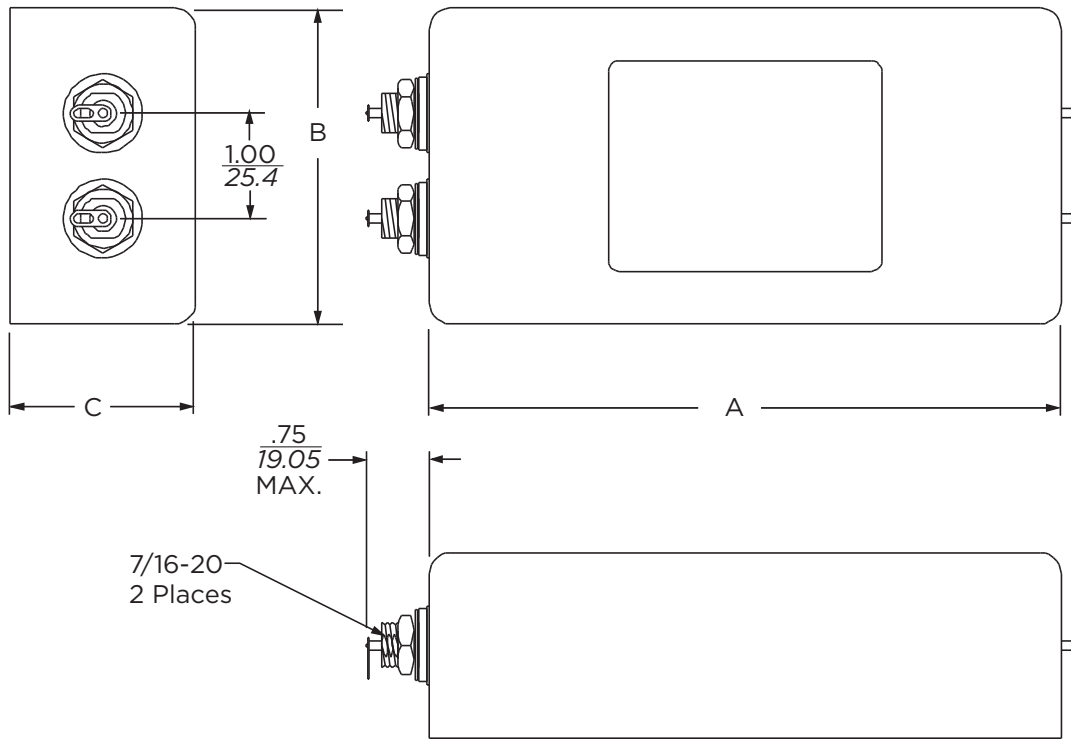


Example: SLA266-25-50-S =
25 Analog Fire Alarm Filters installed inside 50 space cabinet with surge arrestors

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

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

SLA Series Filters



Model No.	Type	Impedance (Ohms)	Insertion Loss (dB)		Rated Current	Case Size			Filter Installs in Cabinet
			Pass Band	Stop Band		A	B	C	
1.25" Filters									
WFV3470	Telephone (KS20162)	300/600	5kHz	65 dB, 14kHz, 100 dB, 30kHz-10GHz	0.16A	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	0.5A	5.25 <i>133.4</i>	2.50 <i>63.5</i>	1.25 <i>31.8</i>	SLA214
WFV3561	Data (9.6kB)	300/600	28kHz	100 dB, 150kHz-10GHz	0.2A	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	0.2A	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	0.2A	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	0.1A	5.25 <i>133.4</i>	2.50 <i>63.5</i>	1.25 <i>31.8</i>	SLAISDN
NF21590	Control (1A)	50/100	N/A	100 dB, 14kHz-10GHz	1.0A	5.25 <i>133.4</i>	2.50 <i>63.5</i>	1.25 <i>31.8</i>	SLA257
NFL21590*									
1.75" Filters									
WFV3564**	Fire Alarm (Analog)**	63/126	N/A	100 dB, 14kHz-10GHz	1.0A	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, 50MHz-10GHz	0.5A	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	0.5A	6.00 <i>152.4</i>	3.00 <i>76.2</i>	1.75 <i>44.5</i>	SLA267
NF21593-3	Control (3A)	50/100	N/A	100 dB, 14kHz-10GHz	3.0A	6.00 <i>152.4</i>	3.00 <i>76.2</i>	1.75 <i>44.5</i>	SLA259
NFL21593-3*									
NF21593-5	Control (5A)	50/100	N/A	100 dB, 14kHz-10GHz	5.0A	6.00 <i>152.4</i>	3.00 <i>76.2</i>	1.75 <i>44.5</i>	SLA268
NFL21593-5*									

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.

**Not intended for digital / addressable systems. Contact TE/Corcom for recommendation on a filter solution for these systems.