
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:

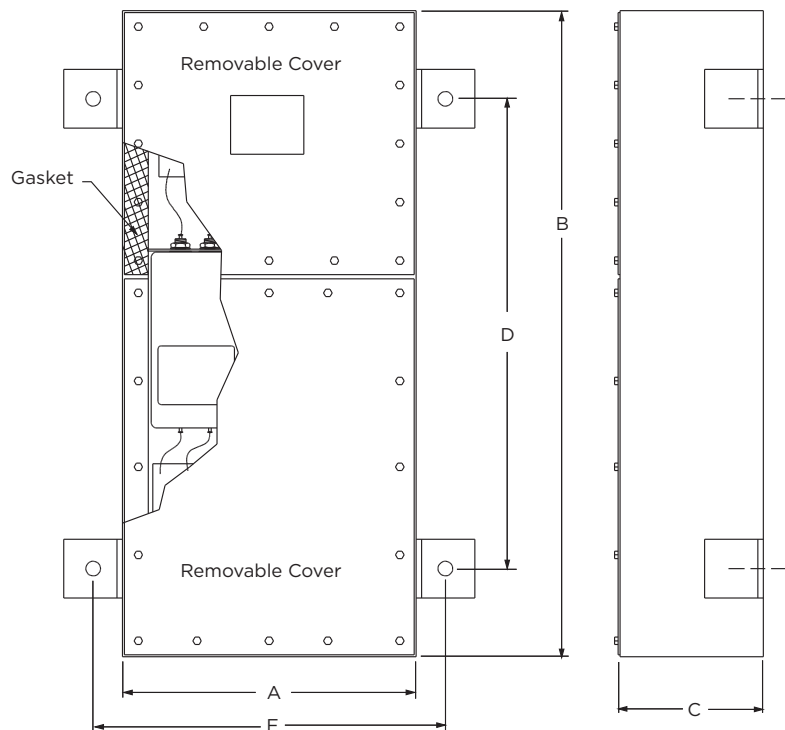
MIL-PRF-15733 — Filters, Radio Interference
MIL-STD-220 — Test Method of Insertion Loss



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

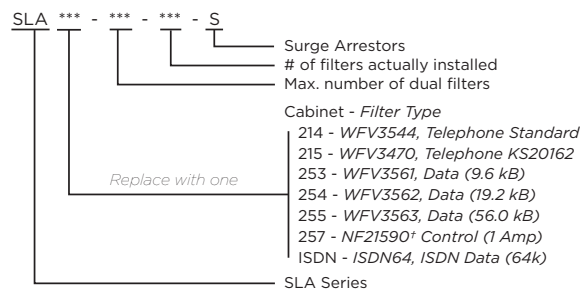
SLA Series Cabinets for use with 1.25" Filters

Cabinet	Accommodates 1.25" Filter
214	WV3544, Telephone Standard
215	WV3470, Telephone KS20162
253	WV3561, Data (9.6 kB)
254	WV3562, Data (19.2 kB)
255	WV3563, 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
		203.2	508.0	127.0	355.6	254.0	8.16
SLA***-10	10	18.0	20.0	5.0	14.0	20.0	45
		457.2	508.0	127.0	355.6	508.0	20.4
SLA***-25	25	18.0	24.0	9.5	18.0	20.0	90
		457.2	609.6	241.3	457.2	508.0	40.8
SLA***-50	50	32.0	26.0	9.5	20.0	34.0	115
		812.8	660.4	241.3	508.0	863.6	52.2
SLA***-100	100	42.0	28.0	12.75	22.0	44.0	285
		1066.8	711.2	323.8	558.8	1117.6	129.3
SLA***-150	150	32.0	50.0	15.5	44.0	34.0	475
		823.8	1270.0	393.7	1117.6	863.6	215.5
SLA***-200	200	34.0	64.0	15.5	61.5	36.0	650
		863.6	1625.6	393.7	1562.1	914.4	294.8

How to Order:



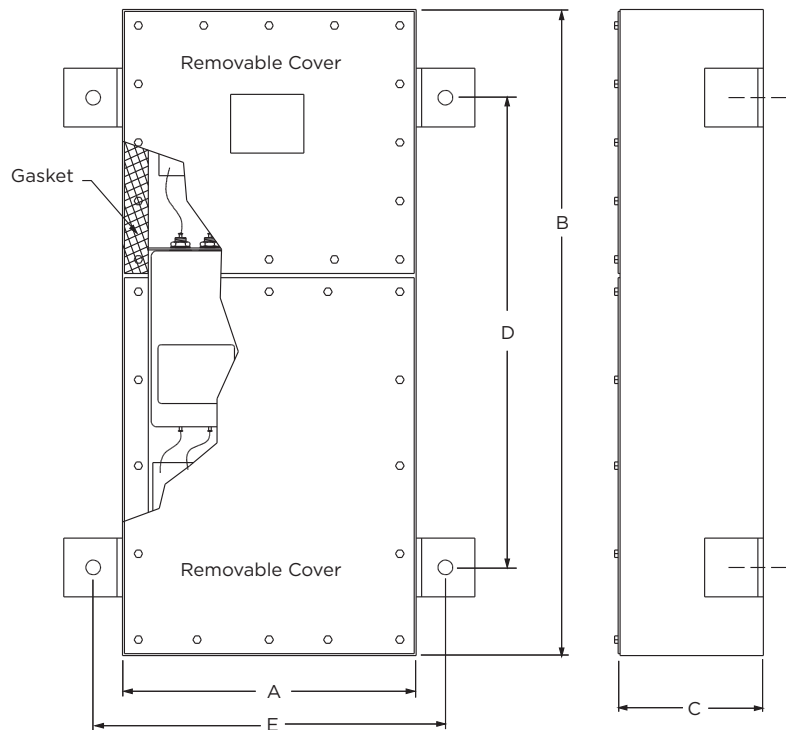
Example: SLA214-100-75-S =
75 Telephone Filters installed inside 100 space cabinet
with surge arrestors

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

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

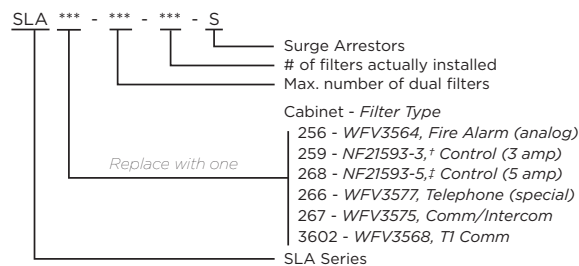
SLA Series Cabinets for use with 1.75" Filters

Cabinet	Accommodates 1.75" Filter
256	WV3564, Fire Alarm (analog)
259	NF21593-3, [†] Control (3A)
268	NF21593-5, [‡] Control (5A)
266	WV3577, Telephone (special)
267	WV3575, Comm/Intercom
3602	WV3568, 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
		254.0	558.8	152.4	304.8	304.8	9.08
SLA***-10	10	20.0	22.0	6.0	22.0	22.0	50
		508.0	558.8	152.4	558.8	558.8	22.7
SLA***-25	25	20.0	28.0	12.0	22.0	22.0	140
		508.0	711.2	304.8	558.8	558.8	63.5
SLA***-50	50	38.0	28.0	12.0	22.0	40.0	250
		965.2	711.2	304.8	558.8	1016.0	113.4
SLA***-100	100	54.0	30.0	15.0	24.0	56.0	450
		1371.6	762.0	381.0	609.6	1422.4	204.2
SLA***-150	150	36.0	64.0	18.0	56.0	38.0	670
		914.4	1625.6	457.2	1422.4	965.2	303.9
SLA***-200	200	42.0	72.0	22.0	64.0	44.0	1000
		1066.8	1828.8	558.8	1625.6	1117.6	453.6

How to Order:

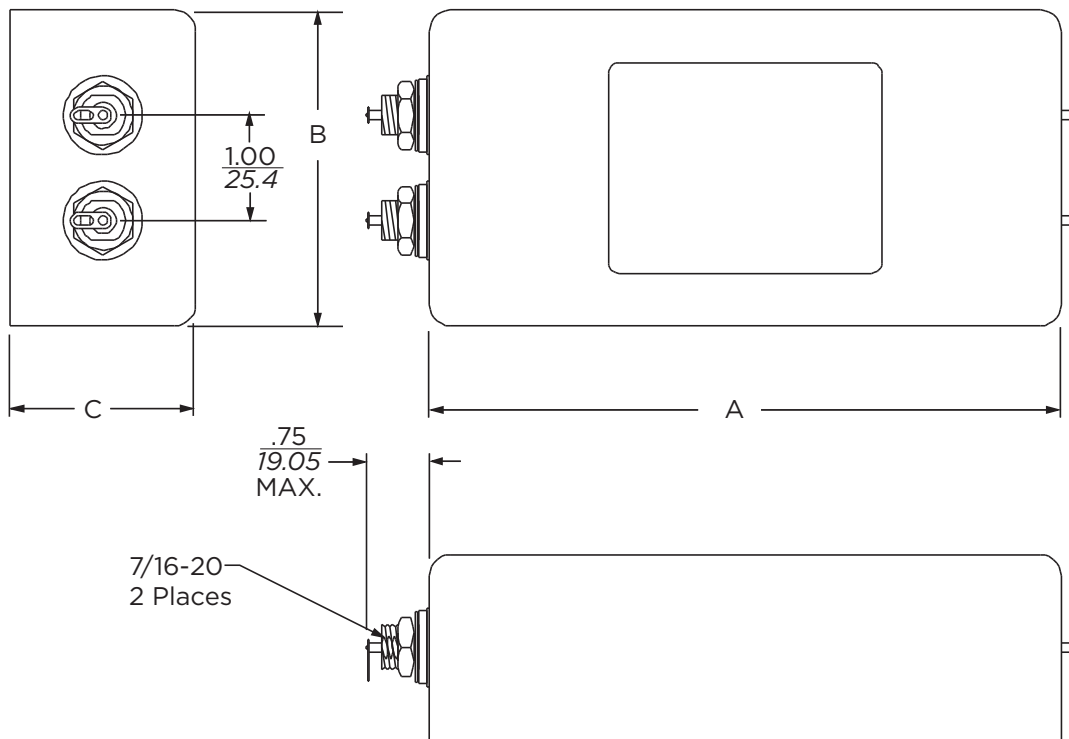


Example: SLA266-25-50-S =
25 Analog Fire Alarm Filters installed inside 50 space cabinet
with surge arrestors

[†] 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									
WFFV3470	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
WFFV3544	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
WFFV3561	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
WFFV3562	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
WFFV3563	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 NFL21590*	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
1.75" Filters									
WFFV3564**	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
WFFV3568	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
WFFV3575	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 NFL21593-3*	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
NF21593-5 NFL21593-5*	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

The above filters are used for AC or DC applications up to 125VAC/400VDC, **EXCEPT** WFFV3575 which is 50 VAC/100 VDC.

* Inductive input versions, intended for use with surge arrestor.

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