

MIL-F-28861  
 SUPPLEMENT 1B  
 29 August 1986  
~~SUPERSEDING~~  
 SUPPLEMENT 1A  
 4 August 1983

# MILITARY SPECIFICATION

## FILTERS AND CAPACITORS, RADIO FREQUENCY/ELECTROMAGNETIC INTERFERENCE SUPPRESSION, GENERAL SPECIFICATION FOR

This supplement forms a part of Military Specification MIL-F-28861, dated 17 December 1981.

### Part I

#### SPECIFICATION SHEETS

(See part II for listing of Specification Sheets arranged by function)

MIL-F-28861/1	-	Filters and Capacitors, Radio Frequency/Electromagnetic Interference Suppression, Hermetically Sealed, Styles FS10, FS11, FS12, FS13 and FS14.
MIL-F-28861/2	-	Filters, Radio Frequency/Electromagnetic Interference Suppression, Hermetically Sealed, Style FS20.
MIL-F-28861/3	-	Filters, Radio Frequency/Electromagnetic Interference Suppression, Hermetically Sealed, Style FS30.
MIL-F-28861/4	-	Filters, Radio Frequency/Electromagnetic Interference Suppression, Hermetically Sealed, Style FS40.
MIL-F-28861/5	-	Filters, Radio Frequency/Electromagnetic Interference Suppression, Hermetically Sealed, Style FS50.
MIL-F-28861/6	-	Filters and Capacitors, Radio Frequency/Electromagnetic Interference Suppression, Nonhermetically Sealed, Style FS60.
MIL-F-28861/7	-	Filters and Capacitors, Radio Frequency/Electromagnetic Interference Suppression, Nonhermetically Sealed, Style FS61.
MIL-F-28861/8	-	Filters and Capacitors, Radio Frequency/Electromagnetic Interference Suppression, Hermetically Sealed, Style FS62.
MIL-F-28861/9	-	Filters and Capacitors, Radio Frequency/Electromagnetic Interference Suppression, Nonhermetically Sealed, Style FS63.
MIL-F-28861/10	-	Filters and Capacitors, Radio Frequency/Electromagnetic Interference Suppression, Hermetically Sealed, Style FS64.
MIL-F-28861/12	-	Filters and Capacitors, Radio Frequency/Electromagnetic Interference Suppression, Hermetically Sealed On One End Only, Style FS70 and FS71.
MIL-F-28861/13	-	Filters and Capacitors, Radio Frequency/Electromagnetic Interference Suppression, Hermetically Sealed On One End Only, Style FS72.
MIL-F-28861/14	-	Filters and Capacitors, Radio Frequency/Electromagnetic Interference Suppression, Hermetically Sealed On One End Only, Style FS73.
MIL-F-28861/15	-	Filters and Capacitors, Radio Frequency/Electromagnetic Interference Suppression, Hermetically Sealed On One End Only, Style FS74.

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- MIL-F-28861/16 - Filters, Radio Frequency/Electromagnetic Interference Suppression, Hermetically Sealed, Style FS66.
- MIL-F-28861/17 - Filters, Radio Frequency/Electromagnetic Interference Suppression, Hermetically Sealed, Style FS67.

Part II

BROADBAND TYPES

Voltage ratings (volts)	Current ratings (amperes)	Circuit diagrams	Minimum capacitance ( $\mu$ F)	Specification sheet
70 V dc	.1 to 5.0	L1, L2, $\pi$	.7, 1.4	MIL-F-28861/4
100 V dc	.25 to 5.0	L1, L2, $\pi$	.45, .90	MIL-F-28861/2
150 V dc	.1 to 5.0	L1, L2, $\pi$	.25, .50	MIL-F-28861/3
200 V dc/125 V ac	.25 to 5.0	L1, L2, $\pi$	.15, .30	MIL-F-28861/5
50 V dc, 70 V dc, 100 V dc, 150 V dc, 200 V dc/125 V ac, 400 V dc/230 V ac	15	L2, C	.15 to 1.2	MIL-F-28861/1
300 V dc/125 V ac	0.5 to 15.0	L1, L2, $\pi$ , T, C	.15, .20	MIL-F-28861/16
	0.5 to 15.0	L1, L2, $\pi$ , T, C	.30, .36	MIL-F-28861/17

HIGH-FREQUENCY BOLT TYPES

Thread series	Voltage rating (volts)	Current rating (amperes)	Circuit diagrams	Minimum capacitance	Specification sheet (s)
.112-40 UNC-2A	100 V dc and 200 V dc	5	L2, c	1000 pF to .045 $\mu$ F	MIL-F-28861/6
.164-32 UNC-2A	50 V dc, 100 V dc and 200 V dc	10	$\pi$ , c	1000 pF to .05 $\mu$ F	MIL-F-28861/7 and /8*
.216-32 UNEF-2A	50 V dc, 100 V dc and 200 V dc/115 V ac	10	$\pi$ , c	1000 pF to .20 $\mu$ F	MIL-F-28861/9 and /10*

\*Hermetically sealed.

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## HIGH FREQUENCY SOLDER-IN TYPES

Voltage rating (volts)	Current rating (amperes)	Circuit diagrams	Minimum capacitance	Specification sheet
50 V dc, 100 V dc and 200 V dc	5	L, C	10 pF to 15,000 pF	MIL-F-28861/12
50 V dc, 70 V dc, 100 V dc, 300 V dc/ 115 V ac	15	L, C	0.05 $\mu$ F to 1.2 $\mu$ F	MIL-F-28861/13
100 V dc, 200 V dc, 300 V dc	10	L, C	10,000 pF to 100,000 pF	MIL-F-28861/14
100 V dc, 200 V dc	5	L, C	5,000 pF, 27,000 pF	MIL-F-28861/15

Preparing activity:  
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Agent:  
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