

POST OFFICE ENGINEERING DEPARTMENT

SPECIFICATION FORFILTER, SUPPRESSION, NO. 6 DRAWING NO. 61820FILTER, SUPPRESSION, NO. 6B DRAWING NO. 62884

Reference to Filter, Suppression No. 6A, Samples Clause and Rejection Clause deleted. Markings Clause renumbered.

NOTE:- Specification D 1000 shall be taken as forming part of this specification.

Each Filter Suppression comprises the items quoted in the following table. The relative drawings are specified therein.

Quantity		Item	Drawing No.
6	6B		
1	-	Cord, Inst., No.2/80E, $4\frac{3}{4}$ in.	62132
6	-	Lock-Nuts, No.4BA	SD 30
-	2	Part, No.1/SEY/2 (Eyelet)	SEY/2
-	2	" No.2/SEY/2 (")	SEY/2
3	1	" No.3/SEY/2 (")	SEY/2
1	-	" No.1/SPL/258 (Plate, Insulating)	SPL/258
-	1	" No.1/SPL/259 (" ")	SPL/259
1	1	" No.1/SSL/13 (Sleeve, Insulating)	SSL/13
3	-	" No.1/STA/31 (Tags)	STA/31
-	2	" No.1/STA/69 (")	STA/69
-	1	" No.1/STA/73 (")	STA/73
3	-	Screws, Br., Ni.P., Matt., No.4BA, Rd. Hd., $\frac{1}{2}$ in.	SD30
9	-	Washers, 4 CBM.	SD31

1.8 GENERAL

The construction, finish and method of fitting of all parts not covered by separate drawings or specifications shall be exactly as in patterns.

The condenser shall comply with Specification D 740 as far as it applies. Chlorinated Naphthalene Wax shall be used in place of the paraffin wax quoted in Specification D 740.

The condenser dimensions shall be exactly as shown on the relative drawing.

10 layers of the paper dielectric shall be wrapped round the condenser before super-imposing the coil.

The coil shall consist of 44 turns \pm 1 of double silk covered resistance wire of 30 SWG to Specification CW 15.

The condenser and coil shall be mounted in a damp proof tube completely sealed with a resinous wax having a melting point not lower than 80°C. (176°F.).

The hollow eyelets securing the tube to the Strip Insulating shall be entirely filled with solder to complete the sealing of the tube.

Filter, Suppression, No. 6

The Cord, Inst., 2/80E, $4\frac{3}{4}$ in. shall be securely connected to the terminals as shown on Drawing 61280.

2. TESTS

Each filter suppression shall pass the following tests:-

(a) Resistance of coil measured at the terminals or tags shall be 10-12 ohms.

(b) Capacitance of condenser measured at 800 cyc. and 1 volt at terminals or tags shall be 0.1 microfarads \pm 15%.

(c) The insulation resistance between any two parts not electrically connected shall be not less than 5000 megohms measured at 500 volts D.C.

3. MARKINGS

Typical Marking:-

6 shall appear on underside of base.

SCHEDULE OF DRAWINGS, AND SPECIFICATIONS REFERRED TO IN THIS SPECIFICATION

Drawings			Specifications
SD 30	STA/31	62884	CW 15
SD 31	STA/69		D 740
SEY/2	STA/73		D 1000
SPL/258	SSL/13		
SPL/259			

END OF SPECIFICATION

File Reference S 1063
February, 1956.

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