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Specification for

DRY PLATE CAPACITORS FOR USE WITH A.C. 50 Hz TRACK CIRCUITS

British Railways Board



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Amendments

Amnd No	Date	Text Affected



DRY PLATE CAPACITORS FOR USE WITH A.C. 50 HZ TRACK CIRCUITS

FOREWORD

This specification is issued by the Director of S & T Engineering, British Rail, Materials Management Group, Room 1103, Rail House, Gresty Road, Crewe, CW2 6EA; from whom further copies may be obtained.

Technical queries shall be referred to the above address. For telephone enquiries the numbers are:-

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1. REFERENCES

Reference in this specification is made to:-

British Railways Specifications:

967 - Railway Signalling Apparatus Environmental Conditions.

British Standards:

3382 - Electroplated Coatings on Threaded Components.

4781 - Self-Adhesive Plastic Labels for Permanent Use.

4808 - L. F. Cables and Wire with PVC Insulation and PVC Sheath for Telecommunications.

3G 178 - Crimped Joints for Aircraft Electrical Cables and Wires.

Act of Parliament:

Health and Safety at Work, etc. Act, 1974

Where this specification requires reference to British Standards, British Railways Specifications, Drawings and DEF Standards, the latest issue shall apply unless specifically stated.

2. SCOPE

These capacitors are intended for use on conventional a.c. 50 Hz track circuits which may or may not contain impedance bonds. Two types of capacitor are specified, giving respectively 12.3 uF and 20 uF nominal total capacitance.

3. GENERAL REQUIREMENTS

- 3.1 The capacitance in each capacitor unit shall be sub-divided into fixed and switched sections as specified in the tables below (Tables 1 and 2). Toggle switches shall be provided for switching sections in and out of circuit. For the 20 uF capacitor unit only, biased toggle switches shall be provided to add or subtract 1 uF for test purposes.