

TRADE AND COMMERCE  
CANADA

SD-EA.334

## STANDARDS DIVISION

OTTAWA January 15, 1958.

TYPE APPROVALPACKARD TYPES "KC25", "E8.7" AND "E8.7 SPECIAL"  
CURRENT TRANSFORMERS

The apparatus specified and illustrated herein has been duly approved by the Standards Division under the provisions of the Electricity Inspection Act, Chapter 94, R.S. 1952, and may be admitted to verification in Canada.

Apparatus Approved: Types "KC25", "E8.7" and "E8.7 Special" Current Transformers, manufactured by the Packard Electric Company Limited, St. Catharines, Ontario.

## Rating of Apparatus:

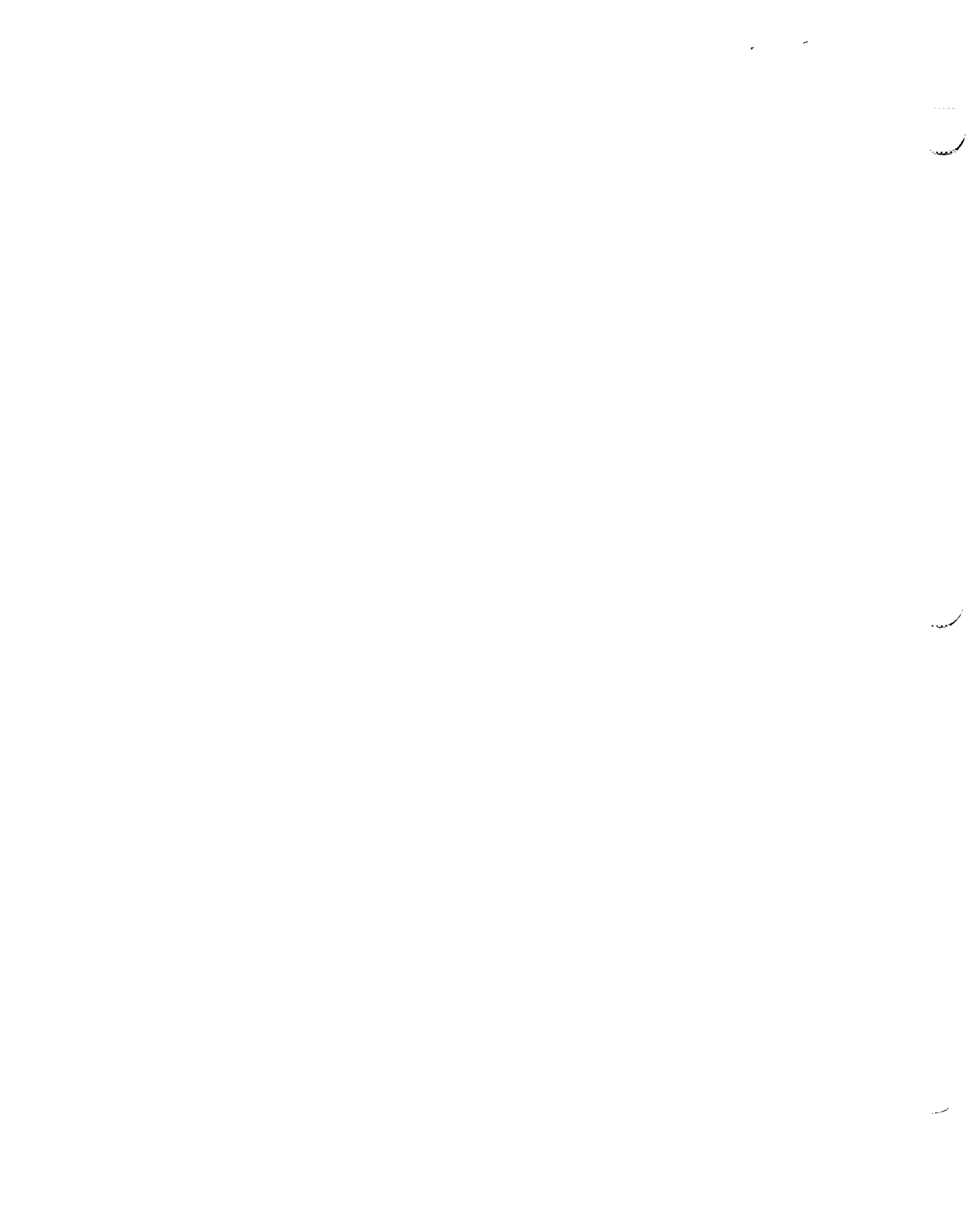
Primary Current .....	10/20, 15/30, 20/40, 25/50, 40/80, 50/100, 75/150, 100/200, 200/400, 300/600 amperes
Secondary Current .....	5 amperes
Voltage Rating: Type "KC25" .....	25 KV (in tank and oil-insulated)
Type "E8.7" .....	8.7 KV (dry)
Type "E8.7 Special" ...	15 KV (in oil)
Accuracy: Higher Ratios, 60 cycles ....	0.3B0.1, B0.5*, B0.9, B2x0.9, B2.0
25 cycles ....	0.3B0.1, B0.5, B0.9, B2x0.9, B2.0
Lower Ratios, 60 cycles ....	0.3B0.1, B0.5*, 0.6B2.0
25 cycles ....	0.6B0.1, B0.5, B2.0
Frequency .....	25 and 60 cycles
Style: Type "E8.7" .....	Dry Indoor
Type "KC25" .....	Oil-Insulated
Type "E8.7 Special" .....	Oil-Insulated

\* shown on nameplate.

Description: The design of the types "KC25", "E8.7" and "E8.7 Special", for ampere-turns and magnetic circuit, is identically the same. However, the type "KC25", which is intended for oil-insulated service, is supplied with high voltage leads on the side for installation in metering equipments. Its major insulation is composed of crepe paper tape impregnated with oil to meet the requirements of the 25 KV insulation class. The type "E8.7" on the other hand is a conventional transformer with primary leads brought out in the usual position and is constructed to meet the standard for mounting and installation. The type "E8.7 Special" is a variation of the "E8.7" design having top leads. The major insulation is vinyl tape and as a dry-type transformer the insulation class would be 8.7 KV; however, the application is for oil-immersed service in the type "CSS15" metering outfit where the insulation class is 15 KV.

The double ratio is obtained by means of a tap in the secondary circuit.

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The types "KC25" and "E8.7" are, except for the lower voltage rating, similar respectively to the double-ratio types "KC35" approved under Circular SD-EA.294, May 1, 1957, and "E15" approved under Circular SD-EA.247, June 4, 1956.

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Ref: A-708

PACKARD TYPE "KC25" CURRENT TRANSFORMER

