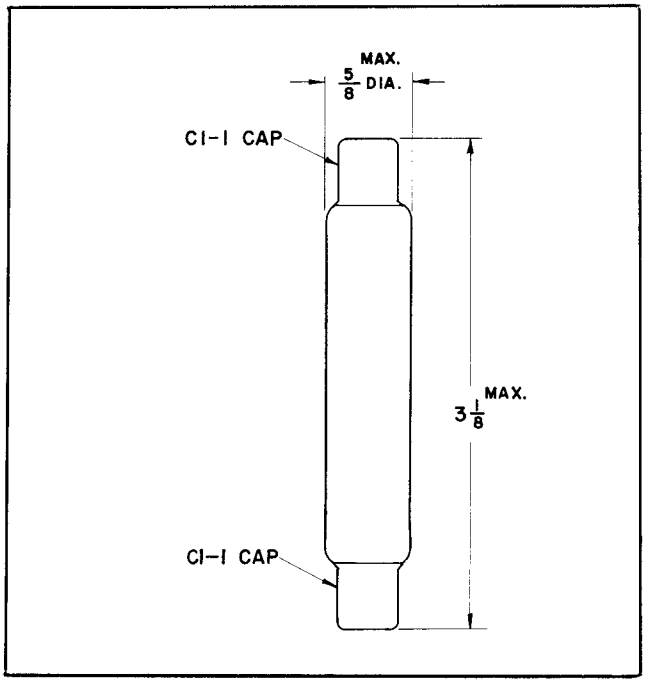
Bendix Type TG-14

SPARK GAP

OVERVOLTAGE PROTECTION SERVICE

COLD CATHODE
SEALED
AMBIENT FREE

SPARK DISCHARGE
NON-POLARIZED
TWO-ELECTRODE



RATINGS & CHARACTERISTICS

Initial Pulse Breakdown*	28 Kv. Max.
Repetitive Pulse Breakdown*	17 Kv. Min.
Ambient Temp.	(—) 55°C
	(+) 85°C

DESCRIPTION

This gap is designed to be used as a protective device in high voltage circuits, primarily for use in a line type modulator. It prevents failure of the pulse transformer and associated components through insulation breakdown. Its characteristics are not affected by changes in ambient conditions within its ratings.

*Peak voltage breakdown will vary as shape of applied pulse varies, in general, decreasing as rise time increases, as pulse width increases, and as repetition rate increases.

THE Bendix CORPORATION
Red Bank DIVISION, EATONTOWN, NEW JERSEY

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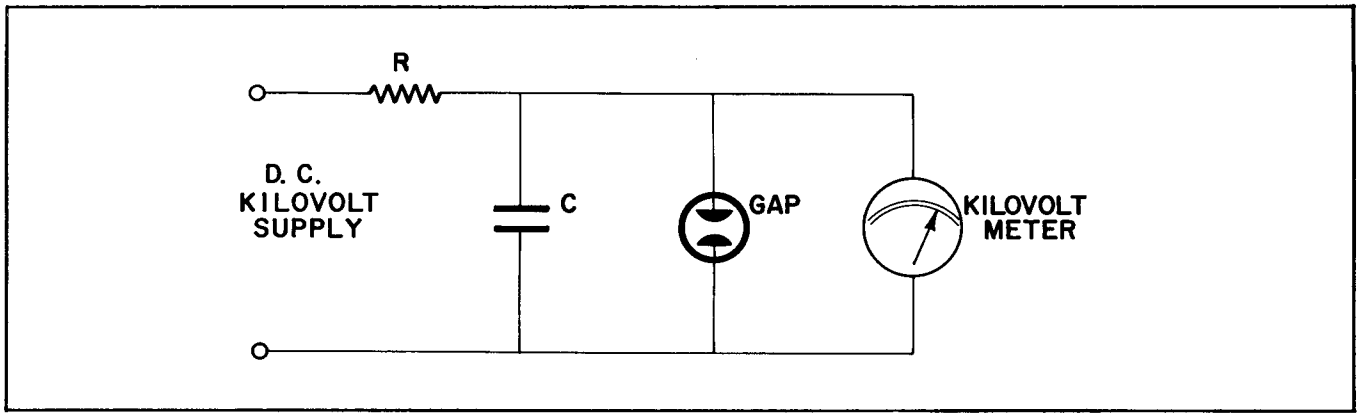
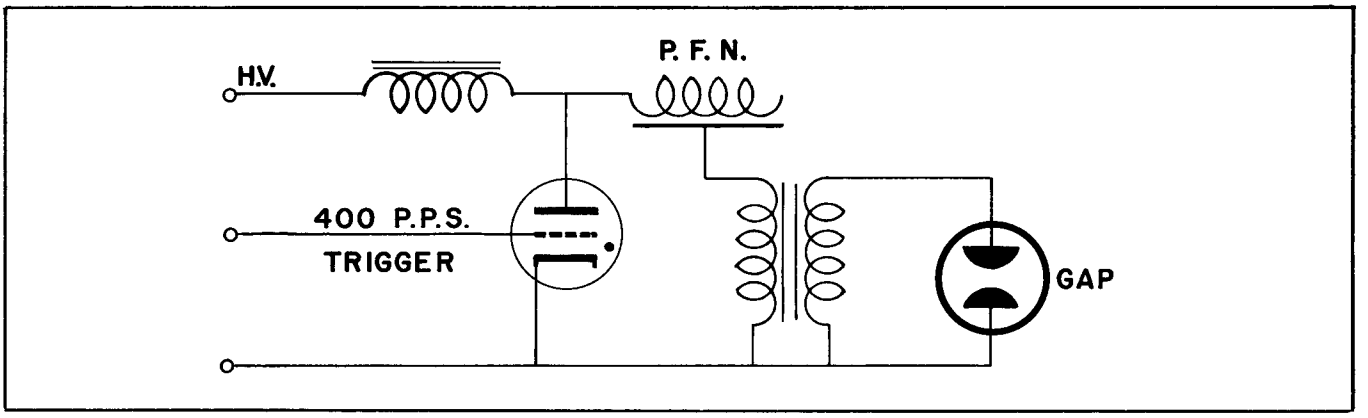
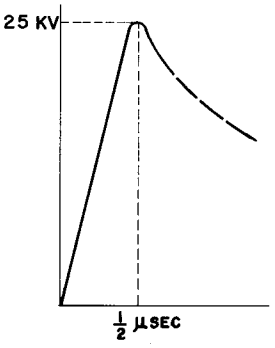


TEST CIRCUIT — STATIC BREAKDOWN



TEST CIRCUIT — PULSE BREAKDOWN



Amplitude will vary as H.V. changes but peak occurs at about 0.5 microsecond.

APPROXIMATE PULSE SHAPE

Spark Gaps are made in a wide variety for a great many applications: DC Puse, AC, Stand-by, Repetitive operation, Surge protection, and Switching according to customer requirements.

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