MECHANICAL DATA
Ambient Temperature Range (Non-Operating) ... -40 to +100° C
Outline ... See Drawing
Operating Mounting Position ... Any
(Either end may be used as input or output)

ELECTRICAL DATA

FREQUENCY RANGE
Operational Band for VSWR of 1.4 Max. ... 8565–9487 Mc
Operational Band for VSWR of 1.9 Max. ... 8490–9578 Mc

IGNITOR CHARACTERISTICS
Open Circuit Voltage ... -700 V dc
Current ... 100 μA dc
Voltage Drop ... 200–375 V dc

LOW POWER LEVEL UNFIRED CHARACTERISTICS
Insertion Loss, Ii = 100 μA, 8490–9578 Mc ... 0.9 dB Max.

HIGH POWER LEVEL FIRED CHARACTERISTICS
Flat Leakage Power\(^1\) ... 40 Mw Max.
Spike Leakage Energy\(^1\) ... 0.2 erg Max.
Recovery Time\(^2\) ... 10 μsec. Max.
Arc Loss\(^3\) ... 0.8 dB Max.

NOTES:
1. \( P_o = 40 \pm 10\% Kw; t_{pi} = 1.0 \mu sec.; t_{ps} = 0.5 \mu sec.; \text{prr} = 1000 \text{pps}; I_i = 100 \mu A \).
2. \( P_o = 200 Kw; t_p = 1.0 \mu sec.; \text{prr} = 1000 \text{pps}; I_i = 100 \mu A \).
3. \( P_o = 4 Kw; t_p = 1.0 \mu sec.; \text{prr} = 1000 \text{pps} \).

APPLICATION DATA

The 6795 was developed for duplexer applications where small physical size is a major requirement. The slip-in type of contact mounting is adaptable to quick disconnect systems for insertion or removal of the TR tube from the duplexer.

In addition to branched duplexer applications where transmitter peak powers of 200 kilowatts or less may be used, the tube is ideal for use as an auxiliary TR tube in ferrite duplexers. The 6795 will protect a crystal from incident line powers well below the 1 watt peak power level.
OUTLINE DRAWING

NOTES:

1. Exhaust tube must not extend beyond flanges more than $\frac{3}{16}$ inches.

2. The 6795 uses two gaskets as shown.