Westinghouse Electric Corporation  
Bloomfield, New Jersey  

Type 5846  
Reference Cavity  

The 5846 is a fixed frequency, transmission type, vacuum sealed, reference cavity for use at 9280 megacycles as a frequency determining reference.

**Electrical Data - General**

- Resonant Frequency: 9280 Mc
- Loaded Q (Circuit Q for absorption types): 2100
- Insertion Loss at Resonant Frequency: 5 db

**Mechanical Data - General**

- Cannot be Pressurized
- Ambient Temperature Range: -40 to +100 °C
- Net Weight (approximately): 5/4 lb.
- Mounting Position: Any
- Outline Drawing Number: 60150

**Maximum Ratings**

- Incident Peak Power: 5 Kw

**Electrical and Mechanical Data with Limits**

- Change in Resonant Frequency with Vibration 10 g: ± 1 Mc max.
- Change in Resonant Frequency with Pressure 100 mm to 2 Atmospheres: ± 1 Mc max.
- Change in Resonant Frequency with Temperature -40 to + 100°C: ± 5 Mc max.
- Change in Resonant Frequency due to *Creep: ± 3 Mc max.

*Creep is the small hysteresis change in the length of a metal due to it being taken through heating and cooling cycles.

from RMA release #764, July 8, 1949
TYPE 5846

8-32 THD. NC-2, 1/4 DEEP, 4 HOLES BOTH SIDES AS SHOWN

ALL DIMS. IN INCHES