



SECURITY CLASSIFICATION Confidential

Types 1Q22, 1Q23, 1Q24 and 1Q25

Reference Cavities

GENERAL CHARACTERISTICS

Electrical

Frequency	
1Q22	<u>9250 ± 0.3 Megacycles</u>
1Q23	<u>9280 ± 0.3 Megacycles</u>
1Q24	<u>9310 ± 0.3 Megacycles</u>
1Q25	<u>9375 ± 0.6 Megacycles</u>
Insertion Loss	<u>4 - 6 Decibels</u>
Loaded Q	<u>1900 - 2400</u>
Input Standing Wave Ratio in Voltage	<u>2.3</u>

Mechanical

Internal Atmosphere	<u>Vacuum</u>
Dimensions	<u>Outline</u>
Mounting Position	<u>Any</u>

MAXIMUM RATINGS

Frequency Shift with Temperature from 25°C to 100°C	<u>± 0.5 Megacycles</u>
Frequency Shift with Barometric Pressure from Atmospheric to Vacuum	<u>± 0.15 Megacycles</u>
Frequency Shift Due to 10 g. Shock or Vibration	<u>± 0.1 Megacycles</u>
Ambient Temperature Range	<u>-50 to +100°C</u>

Bloomfield, New Jersey

December 5, 1945

# 1Q 22, 23, 24 & 25

