

DATE 10-30-61	TMC SPECIFICATION NO. S-700	
SHEET 1 OF 2		
(See Sheet 2) COMPILED	CHECKED	TITLE: 1 MC. OSCILLATOR SPECIFICATIONS
(See Sheet 2) APPROVED		

1 MC. OSCILLATOR SPECIFICATIONS

DATE <u>10-30-61</u>	TMC SPECIFICATION NO. S -700
SHEET <u>2</u> OF <u>2</u>	
<i>SM</i> COMPILED	CHECKED
TITLE: 1 MC OSCILLATOR SPECIFICATIONS	
APPROVED <i>BP</i>	

<u>PERFORMANCE CHARACTERISTIC</u>	<u>FREQUENCY 1MC</u>
INPUT:	
Voltage to Oscillator	23 to 30 DC
Voltage to Oven	23 to 30 DC
Current to Oven Controller, Amps, Max.	.65
OUTPUT:	
Volts Across 10K Ohms	1 to 2
Internal Impedance (Approx.)	5000 Ohms
STABILITY:	MAX. FREQUENCY CHANGE
Input Voltage Change of + 1Volt	+ 1.0 x 10 ⁻⁸
Load Resistance Change of ± 10%	± 5 x 10 ⁻⁹
VIBRATION IN ACCORDANCE WITH:	
Mil. Std. 202B Method 202A	5 x 10 ⁻⁸
COLDSTORAGE - -65°C.	5 x 10 ⁻⁸
HUMIDITY 95 to 100%	0
AMBIENT TEMPERATURE CHANGES OF 15°C	1 x 10 ⁻⁸
ALTITUDE 10,000 ft.	0
TIME 24 Hours After Initial Turn on	1 x 10 ⁻⁸ /24 hrs.
24 Hours After Initial Turn on	4 x 10 ⁻⁸ /15 hrs.
FREQUENCY ADJUST:	
Minimum Trim Range	+ 70 x 10 ⁻⁸
WARM - UP:	
Starting at - 0°C., t=0	
t=60 min.	1 x 10 ⁻⁸ /5 min.
t=24 hrs.	1 x 10 ⁻⁸ /24 hrs.
AMBIENT TEMPERATURE RANGE:	
+ 15°C to + 65°C	

**BASE CONNECTIONS
(STD. OCTAL CONNECTION)**

- PIN 1- N.C. -
- 2- Oscillator B+; +28 V.DC
- 3- Oven Heater: +28 V.DC
- 4- N.C..
- 5- N.C.
- 6- Output
- 7- Oven H at r & Oscillator Ground -28 V.DC
- 8- N.C.