

Synchro, Control Transmitter, Type 26V-11CX4C

FSC 5990

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This specification is approved for use by all Departments and Agencies of the Department of Defense. The requirements for acquiring the Synchros described herein shall consist of this specification and the latest issue of MIL-S-20708.

TABLE I. Requirements.

| Requirement | Value | Unit | Tolerance |
|----------------------|-----------|--------------|-----------|
| Frequency | 400 | Hz | ±1% |
| Primary Voltage | 26 | volts | ±1% |
| Primary Current | 130.0 | milliamps | maximum |
| Primary Power | 0.41 | watts | maximum |
| Impedance: | | | |
| Z _{ro} | 200-300 | ohms | min.-max. |
| Z _{ss} | 6.0-12.0 | ohms | min.-max. |
| Impedance Angle: | | | |
| Z _{ro} | 80.5-84.0 | degrees | min.-max. |
| Z _{ss} | 18.0-30.0 | degrees | min.-max. |
| Transformation Ratio | 0.454 | ---- | ±2% |
| Phase Shift (Lead) | 4.0 | degrees | ±1.5 |
| Electrical Error | 7.0 | minutes | maximum |
| Null Voltage: | | | |
| Total | 19.0 | millivolts | maximum |
| Fundamental | 12.0 | millivolts | maximum |
| Friction Torque | 0.07 | ounce-inches | maximum |
| Radial Play | 0.0006 | inches | maximum |
| End Play | 0.0010 | inches | ±0.0005 |
| Temperature Rise | 20.0 | degrees (C) | maximum |