specification < 2M266E-03U** / Water Cooling >

Product Specification

This Specifications is based on the General Rules of Inspection for Electron Tubes ED-1101 and the Testing Methods for Continuous Wave Magnetrons ED-1501 set by the Electronic Industries Association of Japan (EIAJ).

Absolute Maximum Rating

| Description | Continuous Wave Magnetron (Fixed Frequency, Packaged Magnet and Probe Output) | | | | | | | | | | | |
|---|---|-----|-----|----|-----|------------|-----|-----|----------------------|-----|------|---------|
| Outline | See the Outline Drawing | | | | | Net Weight | | | Approximately 2.6 kg | | | |
| Absolute Maximum Rating | Item | Ef | Ef | tk | ebm | lb | ibm | Pi | σL | Тр® | Tc® | storage |
| | Unit | V | V | s | kV | mAdc | A | kW | - | °C | °C | °C |
| | Max. | 4.4 | 2 | - | 5.5 | 900 | 3.1 | 4.7 | 2 | 180 | 120④ | 60 |
| | Min. | 3.8 | 2 | 5 | - | - | - | - | - | - | - | -30 |
| Standard Test Condition [®] | | 4.0 | 2.2 | 8 | - | 840 | _ | - | 1.1 MAX | _ | - | - |

Test Specification

| Test Item® | Test | Test | | | Limit | | | |
|--------------------------|-------------------|----------------------------|-----------------|-----------------|-------|------|------|--|
| l est item [®] | Method ED-1501 | Condition® | Symbol | Nominal | Min. | Max. | Unit | |
| *Filament Current | 4.1.1 | tk=120 | lf | 22 | 20 | 24 | A | |
| Peak Anode Voltage | 4.3.1 | 6 | ebm | 5.10 | 4.90 | 5.30 | kV | |
| Average Output Power (1) | 4.3.3.1 | 6 | Po(1) | 3000 | 2700 | - | W | |
| Frequency | 4.3.4 | 6 | f | 2455 | 2440 | 2470 | MHz | |
| *Stability Moding (1) | 4.3.11.2 | σ _L =2, t=60s | ST | No Moding | | | - | |
| Emission Moding (2) | 4.3.11.3 | Ef=1.7, t≦5s | Efm | No Moding | | - | | |
| Insulation | 4.2 | 1kVdc | Rpf | - | 1000 | - | MΩ | |
| Breakdown Voltage | 4.2 | 7.1kVac or 10kVdc,t=60s | V _{BV} | No Abnormality® | | - | | |

