**TOM III SWZ**

**Detailed Specification of the Subject of the Order**

The subject of the contract is the purchase of the following elements: S-Band magnetron MG6090, electromagnet MG6053, transition waveguide M4152S.

I Technical parameters:

|  |  |
| --- | --- |
| **Device I: Magnetron S-Band MG6090** | |
|  | Required parameter |
| Frequency range | 2993 to 3002 MHz |
| Peak power output | 3.1 MW |
| Input power (medium) | 8 kW |
| Output | for waved no.10 (72.140 x 34.04 mm inside) |
| Refrigerant | Water |
| Cathode | Indirectly incandescent |
| Heating voltage | 14 Vdc |
| Current for 14V | 8.0 A |
| Initial heating current, peak value that cannot be exceeded | 20 A max |
| Cathode heating time | 10 min |
| Weight | 8-10 kg |
| Mounting position | Any |
| Magnetic field | 1000 – 1650 gauss |
| Anode voltage (peak) | 52kV max. |
| Anode current (peak) | 60 – 120A |
| Pulse duration | Max 5μs |
| Pulse repeat frequency | 1 to 300Hz |
| Pulse build-up rate | 80 - 120kV/μs |
| Operating temperature | 50°max. |
| **Device II: Electromagnet MG6053** | |
| Maximum current | 28A |
| Maximum voltage | 30V |
| Output | for waved no.10 (72.140 x 34.04 mm inside) |
| Refrigerant | Water |
| Dimensions max. | 288x242x180mm |
| Weight | ≤25kg |
| Compatibility | Magnetron S-Band 3.1MW |
| Typical current characteristics |  |
| Operating temperature | 40°max. |
| **Device III: Transition waveguide M4152S** | |
| Compatible transition | for waved no.10 (72.140 x 34.04 mm inside) |
| Peak power output | 3.2 MW |
| Material | Brass |

II Documents:

|  |  |
| --- | --- |
| Document type | Required |
| Declaration of conformity do CE mark | YES |
| Manual | YES |
| Final inspection protocol | YES |

 III Training:

|  |  |
| --- | --- |
| Type of training | Required |
| The ordering party requires the necessary remote consultation in the start-up of the installation and operation of the device | YES |