

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 4 pcs	
	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