

Description:

Continuous wave (CW), fixed frequency (24650MHz) magnetron designed for use in industrial heating applications.

- 10kW CW output power
- Water-cooled anode
- Probe output

Characteristic Parameters:

ELECTRICAL

Operating frequency:	2460MHz \pm 15MHz
Power output:	10.0 kW (into a matched load)
Peak Anode voltage:	8.9kVdc
Average Anode current:	1600 mAdc
Filament voltage (standby):	5.0V (standby), 6.0V (Pre-heating), 0.3V (Operation)
Filament voltage (operation):	See Filament Voltage Reduction Chart Figure 1 & Timing Chart for Switching ON both Filament and Anode Voltage Figure 2
Load VSWR	$\leq 1:1$

MECHANICAL

Cooling Water Flow:	Q=7/min
Cooling Water Temperature:	22°C
RF launch type:	Into Rectangular waveguide or into oven cavity
Water-Fittings:	Swagelok© SS-600-1-4RT

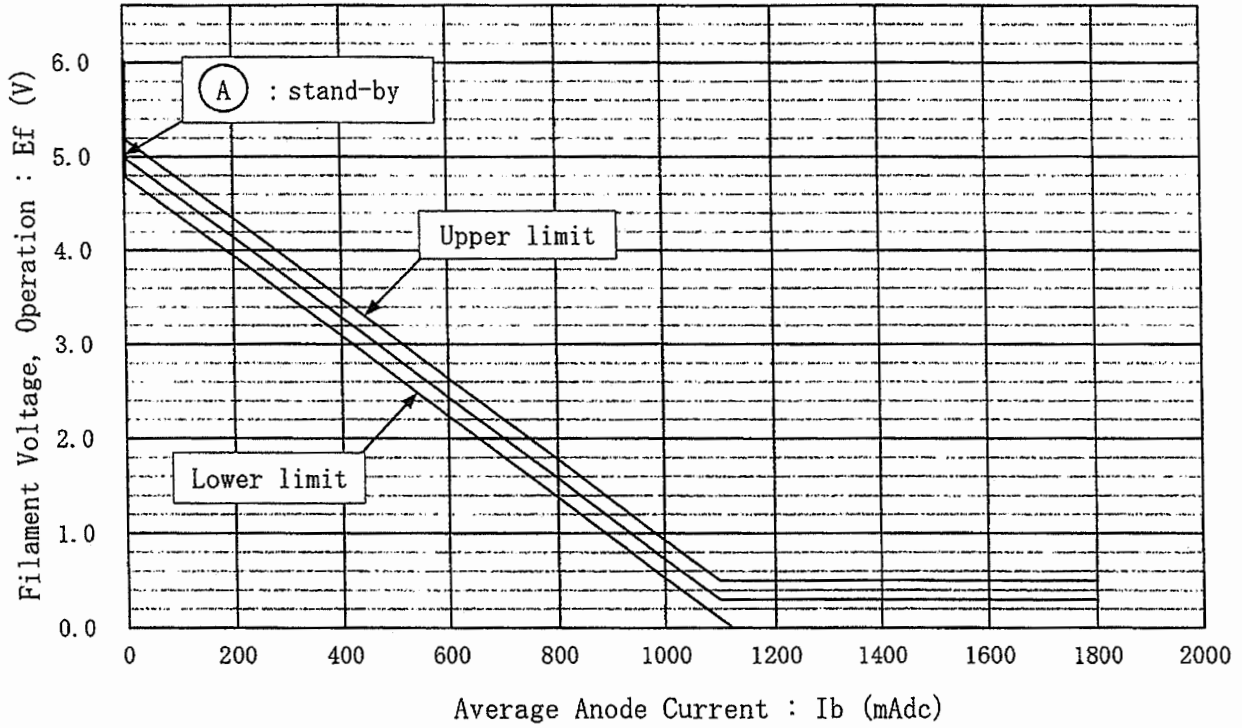


Fig.1 Reduction Chart of Filament Voltage

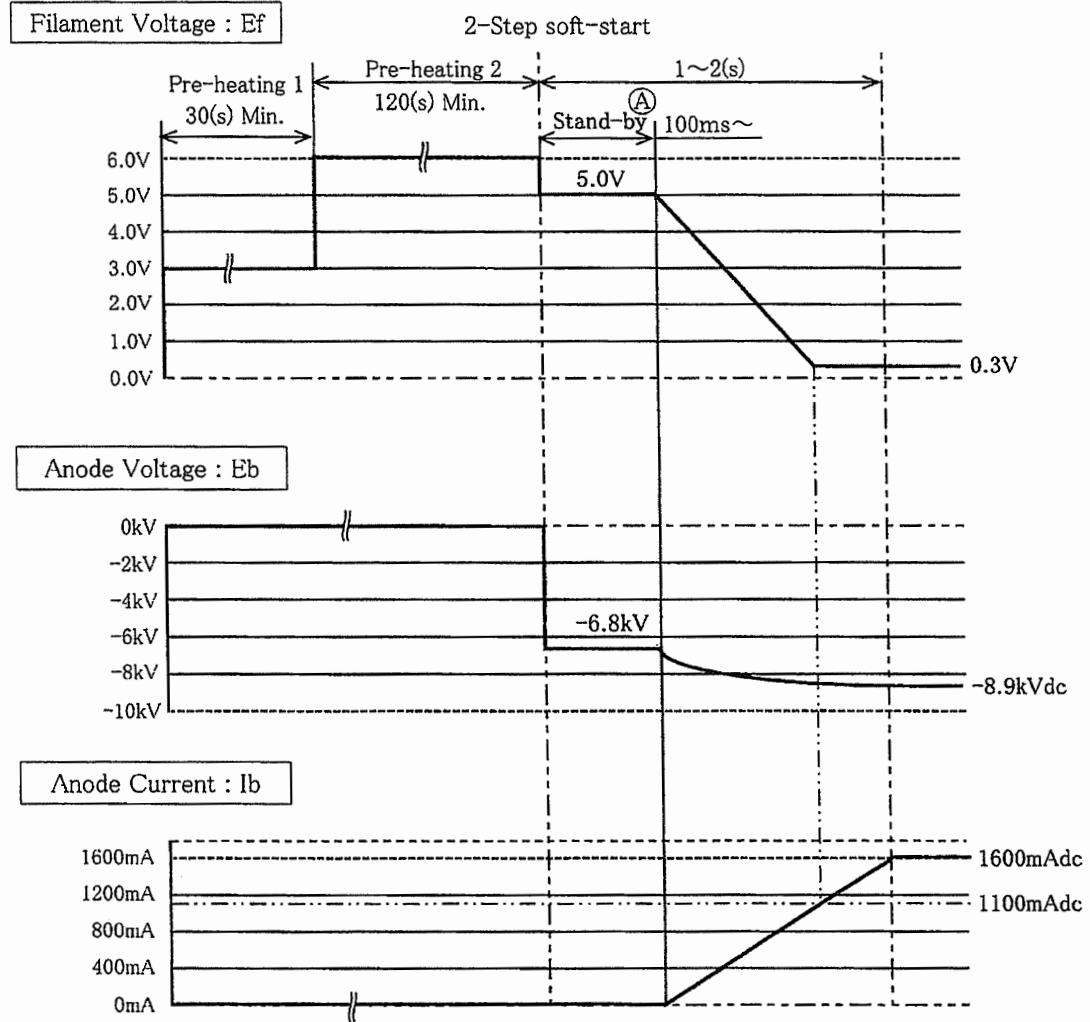
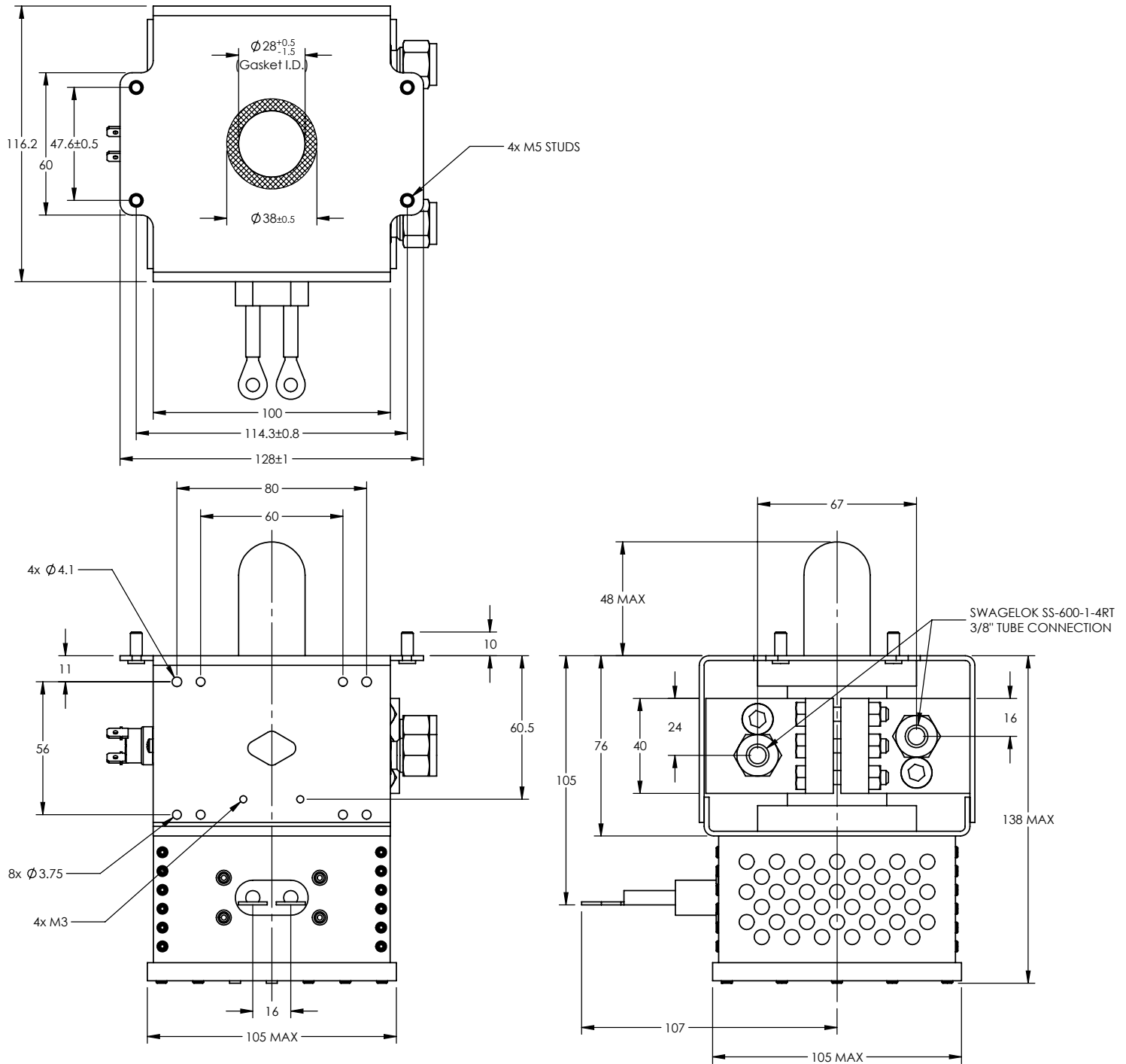


Fig.2 Timing Chart for Switching-On of Both Filament & Anode Power

Outline Drawing:



Note: Unless otherwise noted, dimensions are nominal values in mm. Specifications subject to change without notice.