

# Industrial Magnetron E3328

## ELECTRICAL:

Frequency (matched load)	2460±10	MHz
Filament voltage	4.6	V
Filament current	19	A
Filament cold resistance	0.03	Ω
Anode potential	to be grounded	
Filament potential	Negative high voltage	
Weight (approx.)	2.5	kg

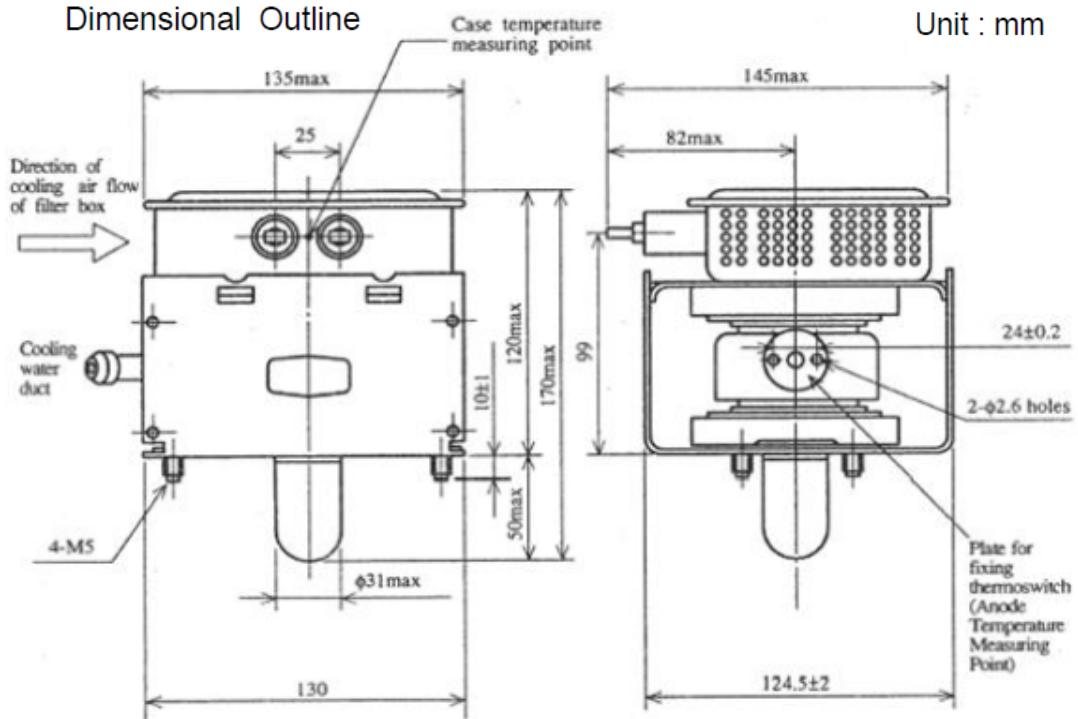
## TYPICAL OPERATION (1)

	Unit	
RF Coupler	Standard	
Anode power supply	Three phase full wave	
Frequency	2460	MHz
Filament voltage (pre-heating)	4.6	V
Filament voltage (operating)	2.2	V
Peak anode voltage	4.7	kV
Average anode current	950	mA
Average output power	3	kW
Load VSWR	1.05	:1
Cooling water flow : Anode	3	ℓ/min
Cooling air flow : Filter box	60	ℓ/min

## ABSOLUTE MAXIMUM RATINGS (1) (2) (3)

	Min	Max	Unit
Filament voltage (pre-heat)	4.4	4.8	V
Filament surge current	-	50	A
Cathode pre-heating time	10	-	sec
Filament voltage (operating)	Vn-0.2	Vn+0.2	V ac
Anode surge voltage	10	-	sec
Peak anode voltage	-	5	kV
Peak anode current	-	1600	mA
Average anode current	-	1050	mA
Average anode input power	-	5	kW
Load VSWR	-	4	:1
Anode temperature	-	85	°C
Temperature of ceramic seal	-	220	°C
Case temperature	-	80	°C
Cooling water outlet temperature	-	65	°C
Ambient atmosphere temperature when operating	-	50	°C
Storage temperature	-30	60	°C
Storage humidity	-	95	%

## Dimensional Outline



Unit : mm

