

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	%

