

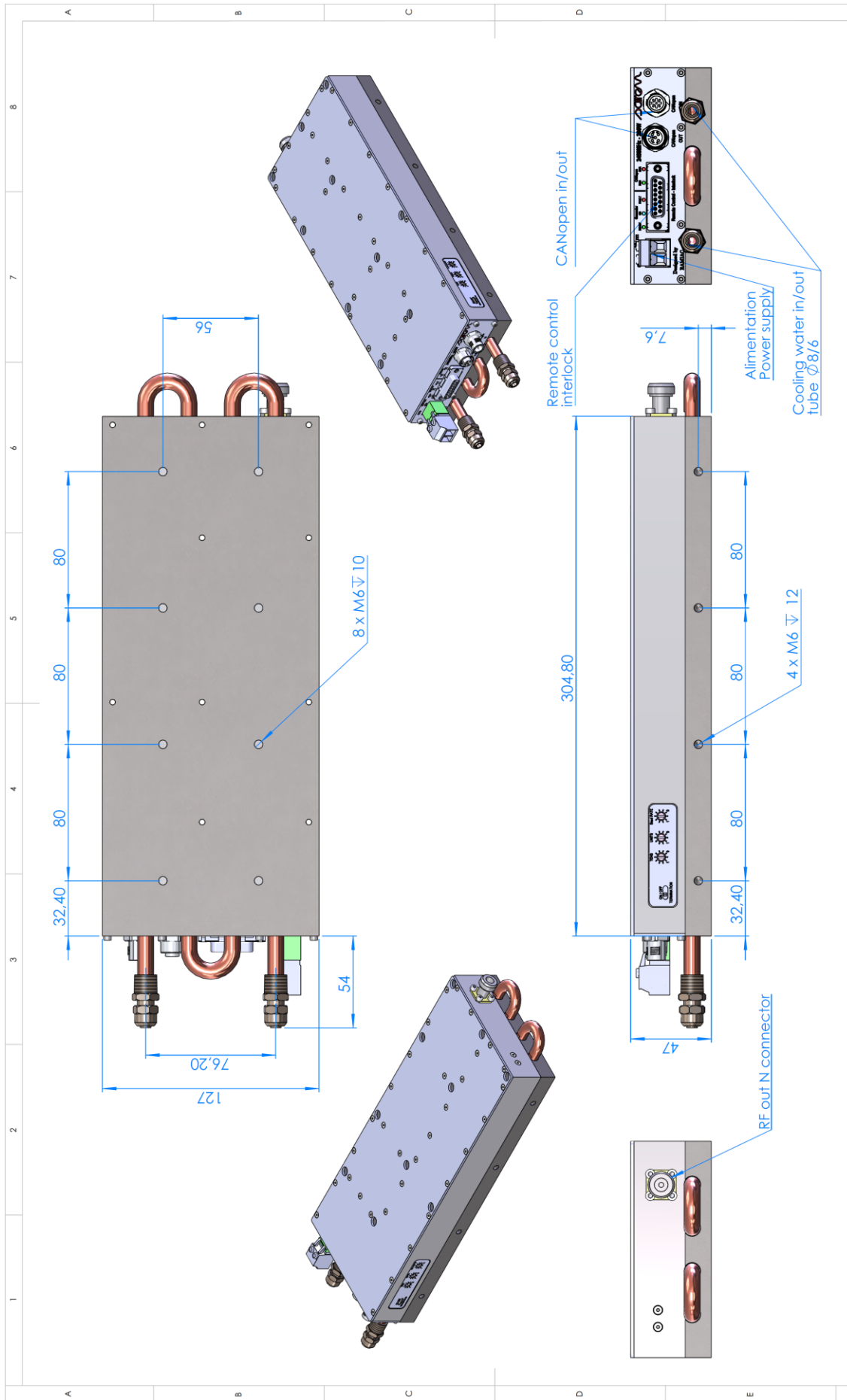


SOLID STATE MICROWAVE GENERATOR 200 W, 2450 MHz MMS200WSMXPR2IR



The MMS200WSMXPR2IR is a high power solid state module generator for the ISM band at 2.45GHz. It provides a CW output power adjustable from 0 to 200 W at frequencies ranging from 2400 MHz to 2500 MHz. This generator is designed for scientific and industrial applications, to be used with one or multiple MW applicators, to assure high reliability and small footprint. The protection against high reflected power and the measurement of reflected power are performed via a built-in isolator.

Ref.	MMS200WSMXPR2IR
Frequency range	2450 MHz \pm 50 MHz
Frequency resolution	100 kHz
Output power	0 to 200 W (adjustable with 1 W step) \pm 2 %
Forward and Reflected power measurement	Coupler with true RMS detector – linear measurement
Ripple	< 0.2 % RMS, depending on the power supply ripple voltage
Reflected power	Threshold adjustable from 1 W to 100 W – limitation and disjunction mode available
Protection functions	VSWR (built-in isolator with automatic power reduction), excess temperature (overheating interlock)
Microwave output	Coaxial cable N female plug, 50 ohms
Remote control	CANopen® provides: ON/OFF control / output power set point with 1W step Frequency set point: 100 KHz step (e.g. 2449.9 MHz) Forward and reflected power reading in Watt Interlock input
Supply voltage	27 VDC, 23 A max per generator One power supply can supply several generators
Cooling	Water, 0.5 L/min, hose $\phi_{ext} \times \phi_{in} = 8 \times 6$ mm, water temperature 18-30 °C
Mean Time Between Failure	100,000 hours
Size, weight	Aluminium case, 380 \times 127 \times 47 mm, 3.4 kg
Power supply (optional)	- 27 VDC, air-cooled - Size, weight: 250 \times 127 \times 41 mm, 1.64 kg - Input/output voltage: 85 – 264 VAC (with PFC inside) / 24 – 30 VDC - Output current: 27 A - Efficiency (power supply only): 90.5 %



MATERIE :		TRAITEMENT :		REPRODUCTION INTERDITE - DROITS RESERVES		TITRE :	
				 12, Porte du GRAND LYON 01707 NEYRON Cedex - FRANCE Tél: 04 72 01 81 60 Fax: 04 72 01 81 79		MW SOLID STATE GENERATOR	
						2450 MHz 200 W	
B	13/05/2016	BDE		FORMAT :	A3	DESIGN NO. 3275-COM2	
A	15/10/2010	BDE		ECHELLE :	1:2	INDEXE DU DOCUMENT	
INDEXE	DATE	DESSINE	VERIFIE	APPROUVE	MODIFICATION DU DESSIN	WEIGHT: 4.97	
1						4	
2						3	
3						2	
4						1	