

Solid-State 2.45GHz BAND High Power RF Oscillator

TME201B00 and the others

Do you choose magnetrons(tube) at this last moment?
You can get stable RF power by the All Solid State HPA!
It's easy handling and long life!

<Specification>

Built-In Voltage Controlled Oscillator!

Frequency Output : 2.45GHz

High Frequency Stability

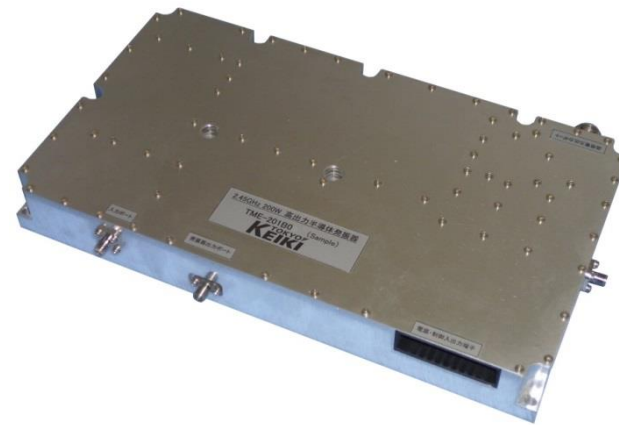
Power Output : 200W(CW)

Efficiency : 40%

Small Sized : 155mm(W), 275mm(D), 33mm(H)

MTBF : 10 years @ 75deg.C

Power : DC Power Supply Only



<Function>

Adjustable(power) : 1- 200W

Adjustable(Freq.) : +/-50MHz

Monitor Points as belows :

**Power, Over Temperature,
High VSWR, and others.**

<Applications>

Plasma Instruments

Microwave Reactors

R&D Equipments

Compatible with MAG.

Satellite(Broadcast,etc.,)

RADAR(FM,Pulse,etc.,)

Performance(TME201B00)

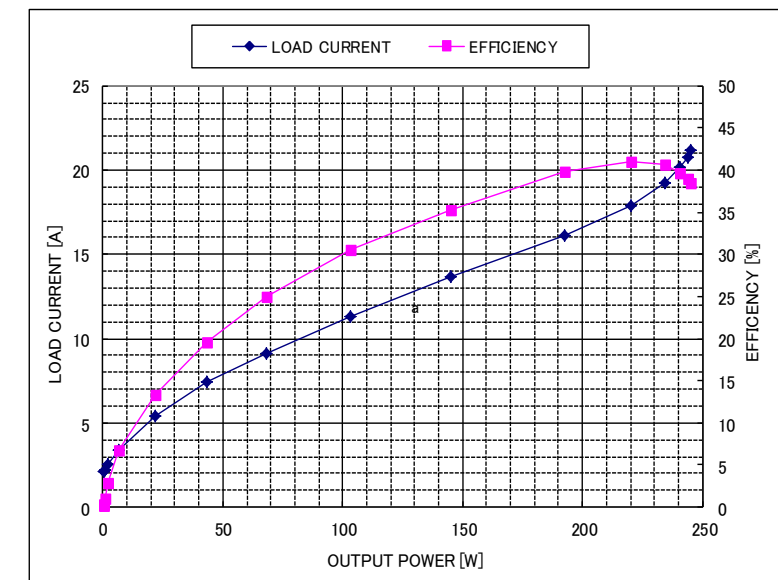


FIG. 1: OUTPUT PWR(W) – LOAD CUR.(A) / INPUT VOLT(+28V)

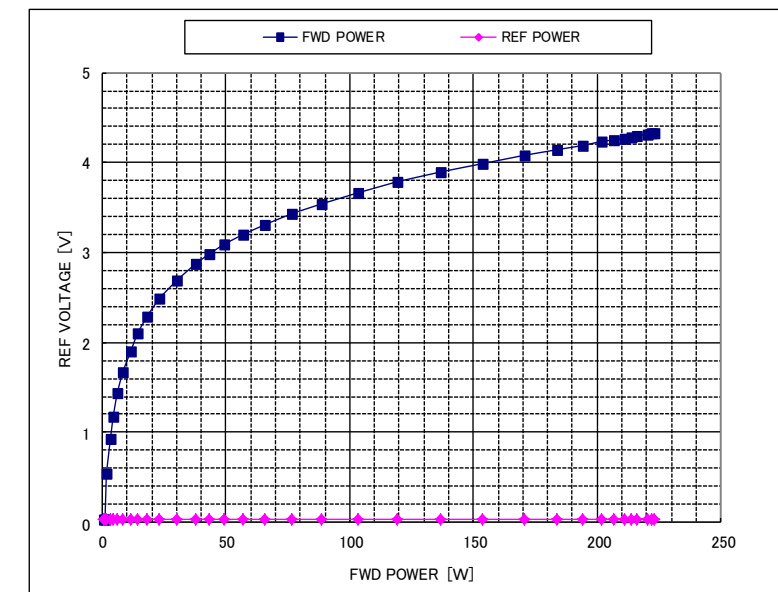


FIG.2: OUTPUT PWR(W)–OUTPUT PWR(W) / REF PWR(W)

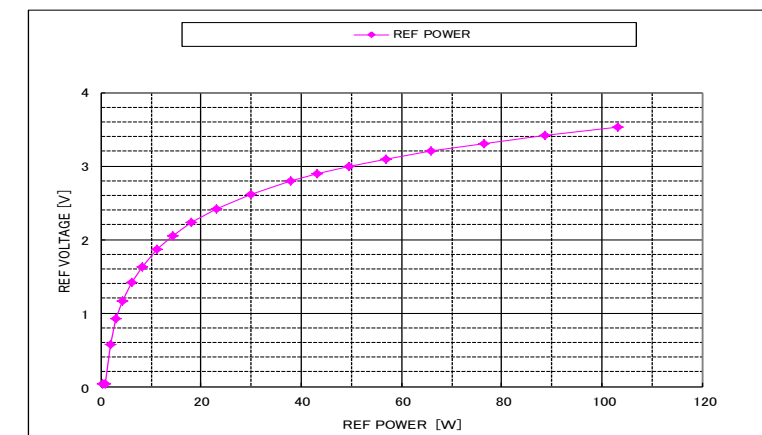
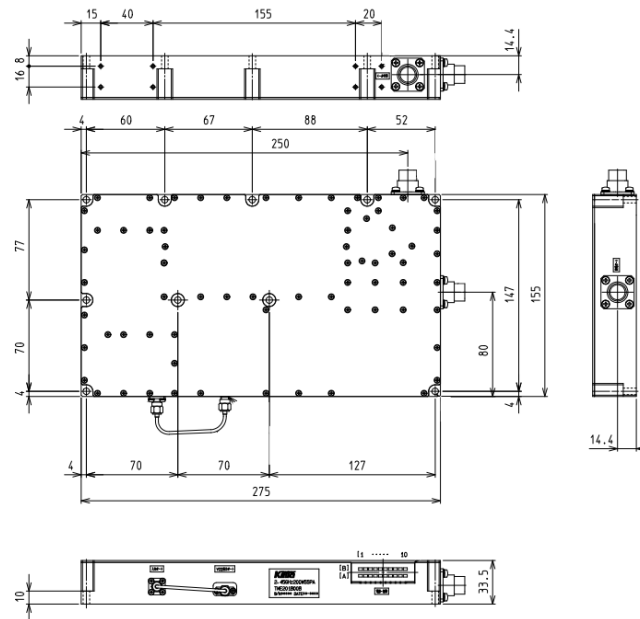


FIG.3: REF PWR(dBm)-REF PWR(W)

Specifications(TME201B00)

No.	Parameter	Specification	Note
1	Frequency Range	2450MHz(+/- 50MHz)	50Ω , N-type, female
2	Output Power	200W at 2450MHz(+/-25MHz) 180W at 2450MHz(+/-50MHz)	
3	Efficiency	40% typical	at 200W
4	Input power	+30V(+/-0.5V)	17A typical
5	Operating Temperature	0 to +50deg.C	@ Heat think
6	Dimensions	155mm(W), 275mm(D), 33mm(H)	Without projections
7	Weight	2.8kg typical	
8	Connectors(with body)	PAD : S20B-F31DK-GGR (J.S.T. Mfg. Co., Ltd.) RF output : N-type, female	

Dimensions(mm)



TOKYO
KEIKI
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Design and specifications are subject to change without prior notice and without any obligation the part of the manufacturer.

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High Power RF Oscillator Series

TME201B00

Compatible with Magnetrons!

T O K Y O K E I K I I N C .
Communication & Control Systems Company
R F P R O D U C T S D E P T .