

Solid-State 2.45GHz BAND High Power RF Oscillator

TME101B00 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 : 100W(CW)
- Efficiency : 40%
- Small Sized : 120mm(W), 147mm(D), 23mm(H)
- MTBF : 10 years @ 75deg.C
- Power : DC Power Supply Only



<Function>

- Adjustable(power) : 1- 100W
- 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(TME101B00B)

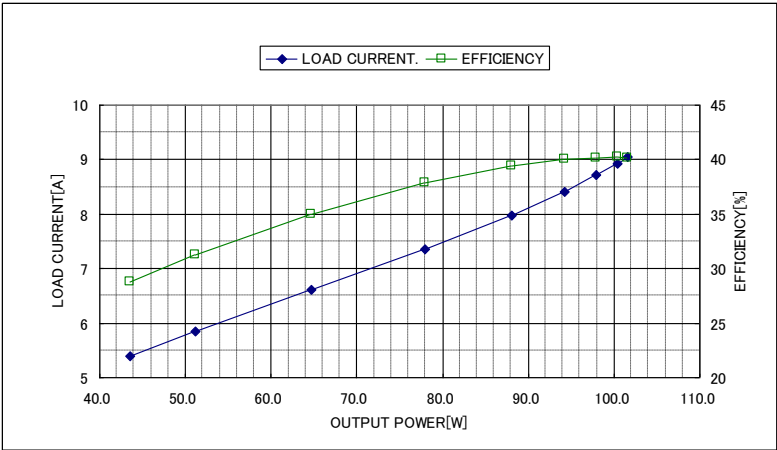


FIG. 1: OUTPUT PWR(W) – LOAD CUR.(A) / INPUT VOLT(+28V)

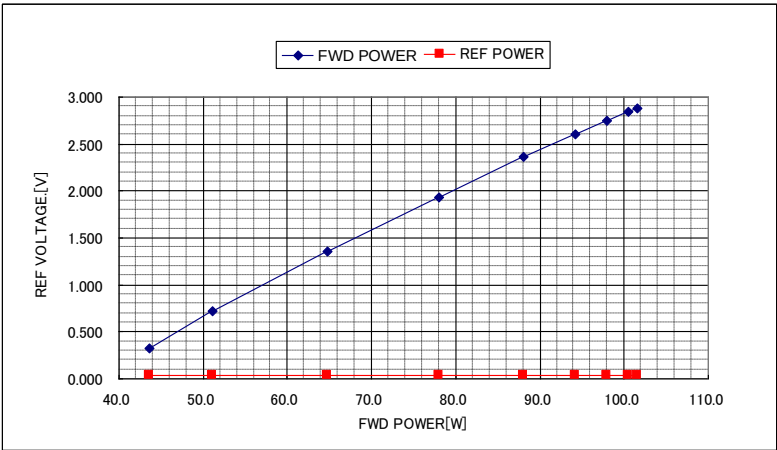


FIG.2: OUTPUT PWR(W)–OUTPUT PWR(W) / REF PWR(W)

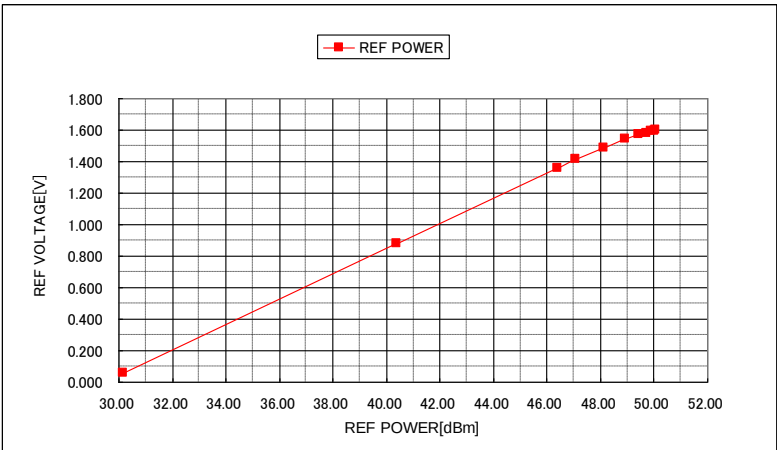
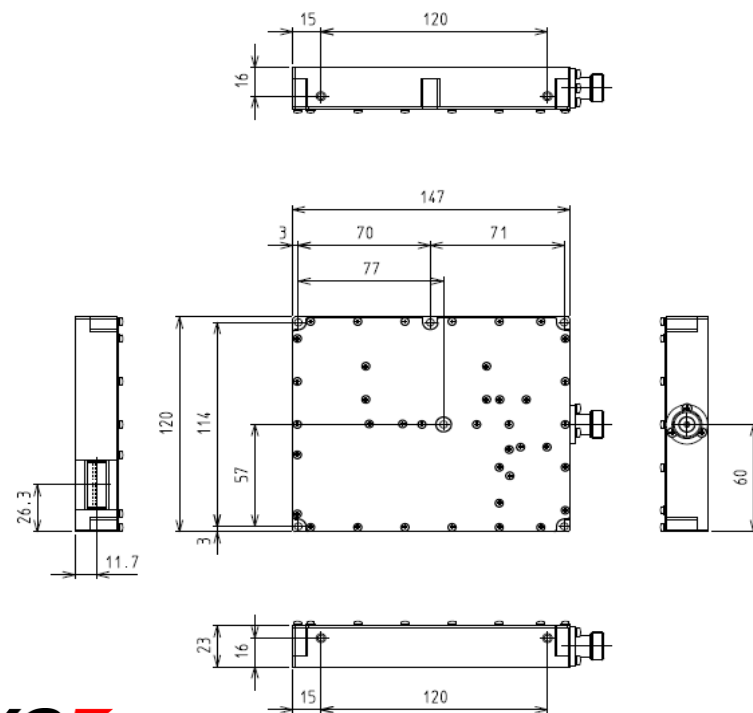


FIG.3: REF PWR(dBm)-REF PWR(W)

Specifications(TME101B00)

No.	Parameter	Specification	Note
1	Frequency Range	2450MHz(+/-50MHz)	
2	Output Power	100W and more(50 ohm)	110W typical
3	Efficiency	40% typical	at 100W
4	Input power	+28Vdc(+/-0.5V)	9A typical
5	Operating Temperature	-20 to +60deg.C	@ Heat think
6	Dimensions	120(W), 147(D), 23(H)	Without projections
7	Weight	820g typical	
8	Connectors(with body)	PAD : S24B-PADSS-11(LF) (J.S.T. Mfg. Co., Ltd.) RF output : N-type, female	PAD include 28Vdc & Monitors For PAD cable : PADP-24V-1-S

Dimensions(mm)



TOKYO
KEIKI
TOKYO KEIKI INC.

www.tokyo-keiki.co.jp

Communication & Control Systems Company, RF Products Dept. Sales Section

2-16-46, Minami-Kamata, Ohta-Ku, Tokyo 144-8551, Japan TEL:+81-3-3732-2072 FAX:+81-3-3732-2078

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

ICP14-CA-015, 2015/03/16

Solid State Power Oscillator

TME101B00

2.45GHz, 100W

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 .