Solid-State 2.45GHz BAND High Power RF Amplifier TME-101B00 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

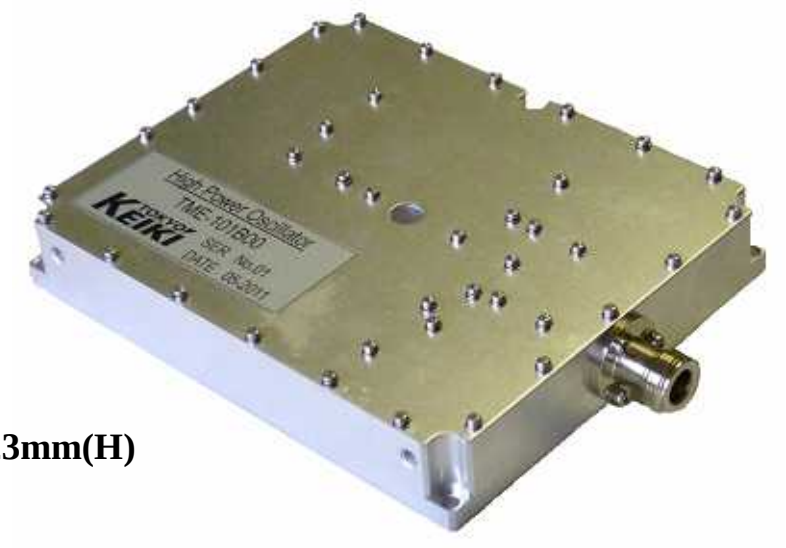
Power Output : 100W(CW)

Efficiency : 40%(70% target!)

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.

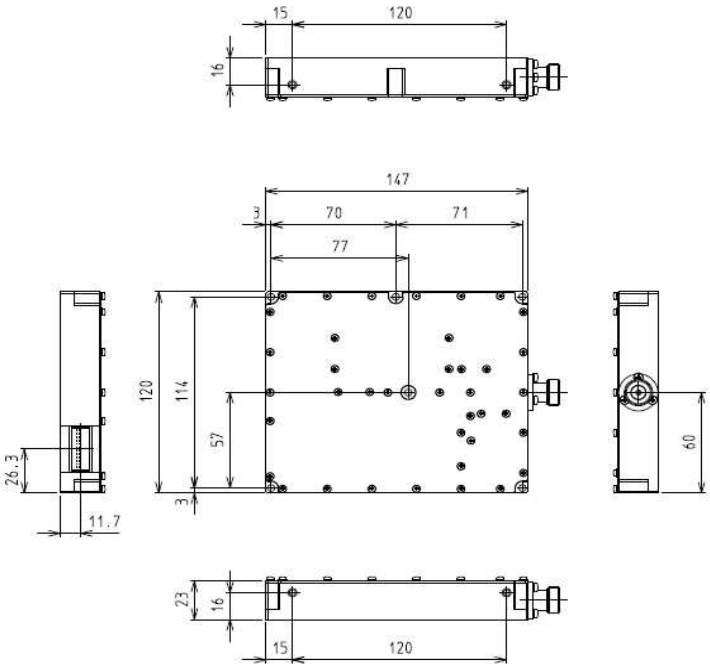
Satellite(Broadcast,etc.,)

RADAR(FM,Pulse,etc.,)

Specifications(TME-101B00)

No.	Parameter	Specification	Note
1	Frequency Range	2450MHz(+/-10MHz)	50 ohm, N type
2	Output Power	100W and more	110W typical
3	Efficiency	40% typical	at 100W
4	Input power	+28V(+/-0.5V)	9A typical
5	Operating Temperature	-20 to +60deg.C	+50deg.C(Req.)
6	Dimensions	120(W), 147(D), 23(H)	Without projections
7	Weight	820g typical	
8	Conectors(with body)	PAD : S24B-PADSS-11(LF) CABLE : PADP-24V-1-S	J.S.T. Mfg. Co., Ltd.

Dimensions(mm)



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

Performance(TME-101B00)

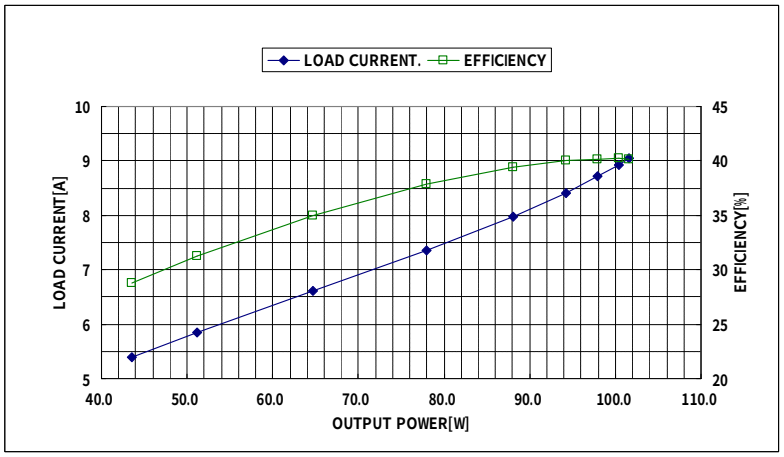

FIG. 1: OUTPUT PWR(W) – LOAD CUR.(A) / INPUT VOLT(+28V)

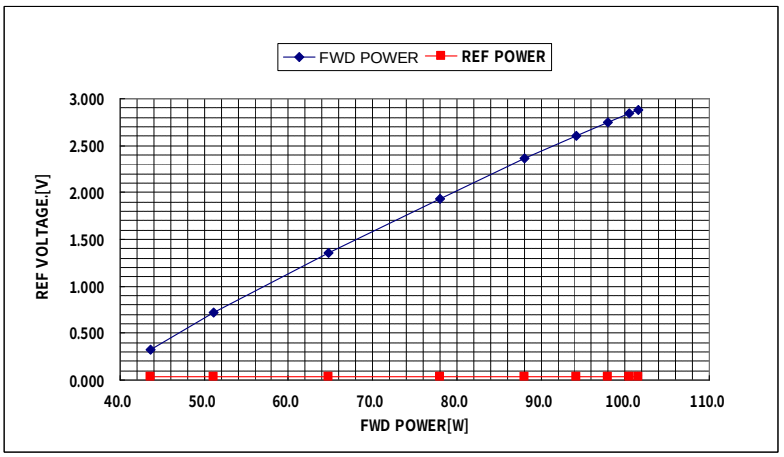

FIG.2: OUTPUT PWR(W)-OUTPUT PWR(W) / REF PWR(W)

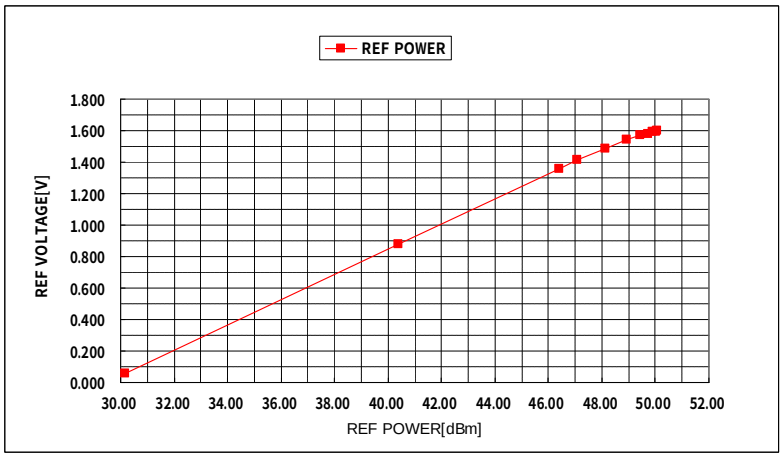

FIG.3: REF PWR(dBm)-REF PWR(W)