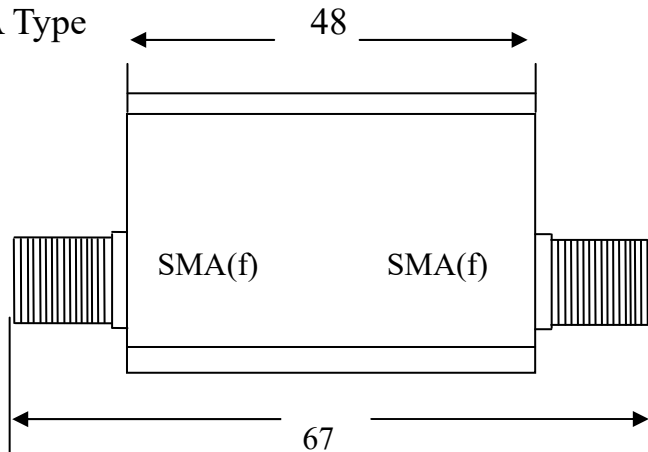


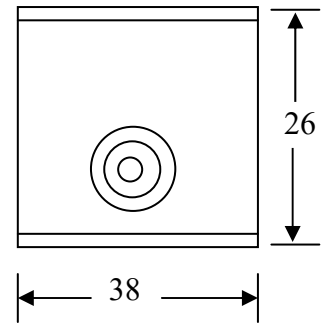
TM Module Filter Specification Sheet

Customer Name		Temwell's Part No.	TM-TF69281A-146M-SMA
Approval No. /dated	202011031CD	Customer's Part No.	
Work Instruction No.	202011031CD	Date	Dec.02.2020
Case Name	TM	Temwell's print name	69281A 146M
Terminator Type	SMA(f)/SMA(f)	Case size : (mm)	48*38*26

SMA Type



Unit:mm



(3) Electric Character

Item		Specify	Performance
Center Freq.(Fo) +/- 0.5 %		146 MHz	146 MHz
Insertion Loss		Typ. 4.0 dB	3.06 dB
-3 dB Bandwidth		Typ. 8 MHz	8.7 MHz
Sensitivity (Attenuation)	Fo -(50) MHz	Typ. 65 dB	70 dB
	Fo +(50)MHz	Typ. 62 dB	67 dB
	Fo -()MHz	>	dB
	Fo +()MHz	Typ. dB	dB
Return Loss		Min. 12 dB	24.3 dB
Ripple		< 1 dB	dB
Group Delay		ns	ns
Impedance		In / Out : 50 Ω	In / Out : 50 Ω

4. Temperature Condition:

Operating Temperature	0 °C ~ +60 °C
Storage Temperature	-20 °C ~ +70 °C

Approval	Supervisor	Designer	PCB
C.C. Chang	C.K. Chang	S.J. Li	7H4A PCB(41x12) 7H024LB4X

TEMWELL CORPORATION

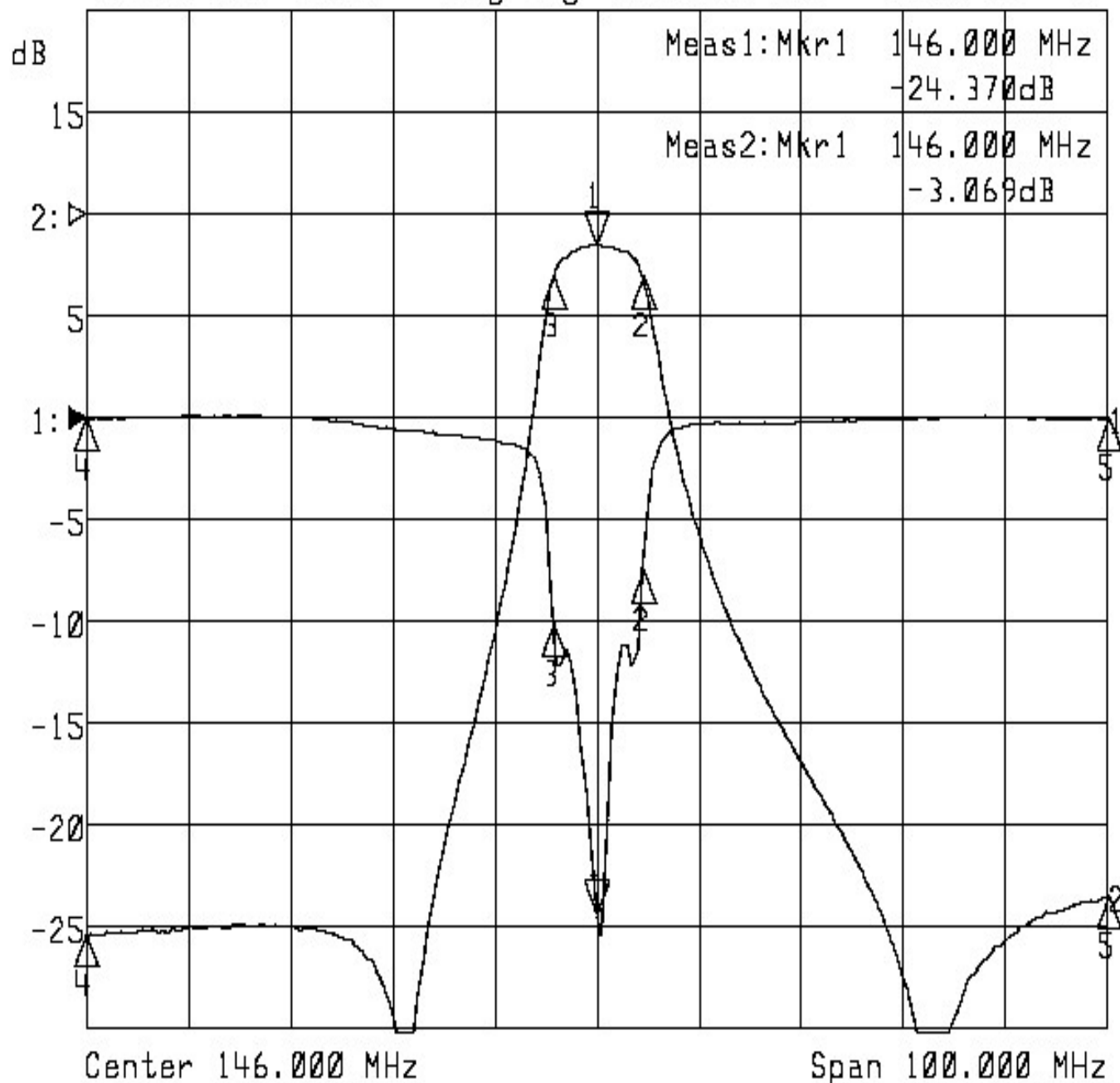
TEMWELL Form11- TM- -Vession C

RP(S.J.)

Performance-TM-TF69281A-146M-SMA

202011031CD

►1:S11 Refl Port1 Log Mag 5.0 dB/ Ref 0.00 dB C
 ►2:S21 Fwd Trans Log Mag 10.0 dB/ Ref 0.00 dB C



1: Mkr (MHz)	dB	2: Mkr (MHz)	dB
1> 146.0000	-24.370	1> 146.0000	-3.069
2: 150.5000	-7.486	2: 150.5000	-6.066
3: 141.7667	-10.139	3: 141.7667	-6.085
4: 96.0000	-0.032	4: 96.0000	-70.847
5: 196.0000	-0.048	5: 196.0000	-67.054