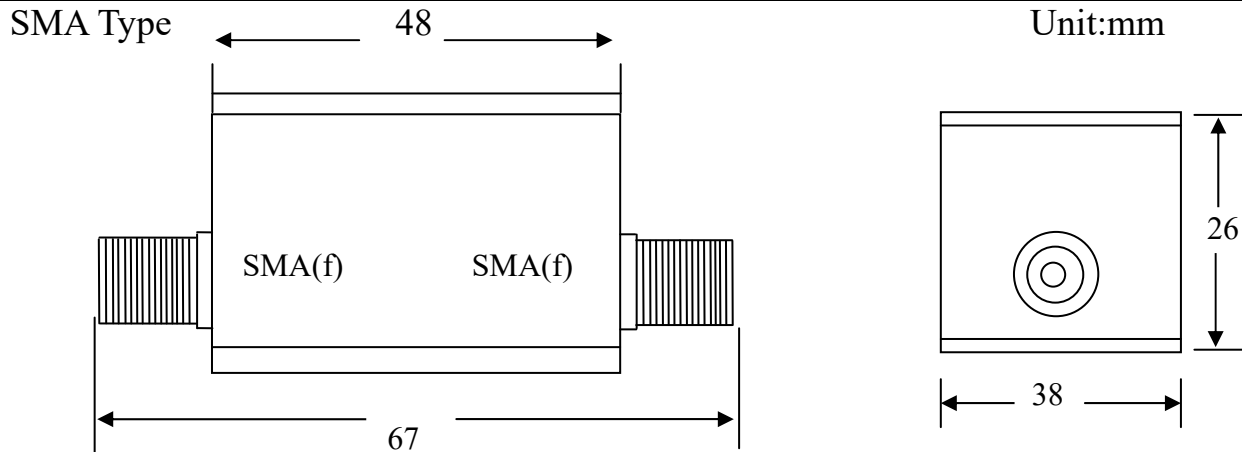


TM Module Filter Specification Sheet

Customer Name		Temwell's Part No.	TM-TF69709B-146M-SMA
Approval No. /dated	202011030CD	Customer's Part No.	
Work Instruction No.	202011030CD	Date	Dec.2.2020
Case Name	TM	Temwell's print name	69709B 146M
Terminator Type	SMA(f)/SMA(f)	Case size : (mm)	48*38*26



(3) Electric Character

Item		Specify	Performance
Center Freq.(Fo) +/- 0.5 %		146 MHz	146 MHz
Insertion Loss		Typ. 5.0 dB	3.82 dB
-3 dB Bandwidth		Typ. 5 MHz	6.7 MHz
Sensitivity (Attenuation)	Fo -(10) MHz	Typ. 45 dB	50 dB
	Fo +(10)MHz	Typ. 34 dB	39 dB
	Fo - ()MHz	Typ. dB	dB
	Fo +()MHz	Typ. dB	dB
Return Loss		Min. 12 dB	20.9 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	Z.J. Lu	7H4S PCB(41x12) 7H024RB4

TEMWELL CORPORATION

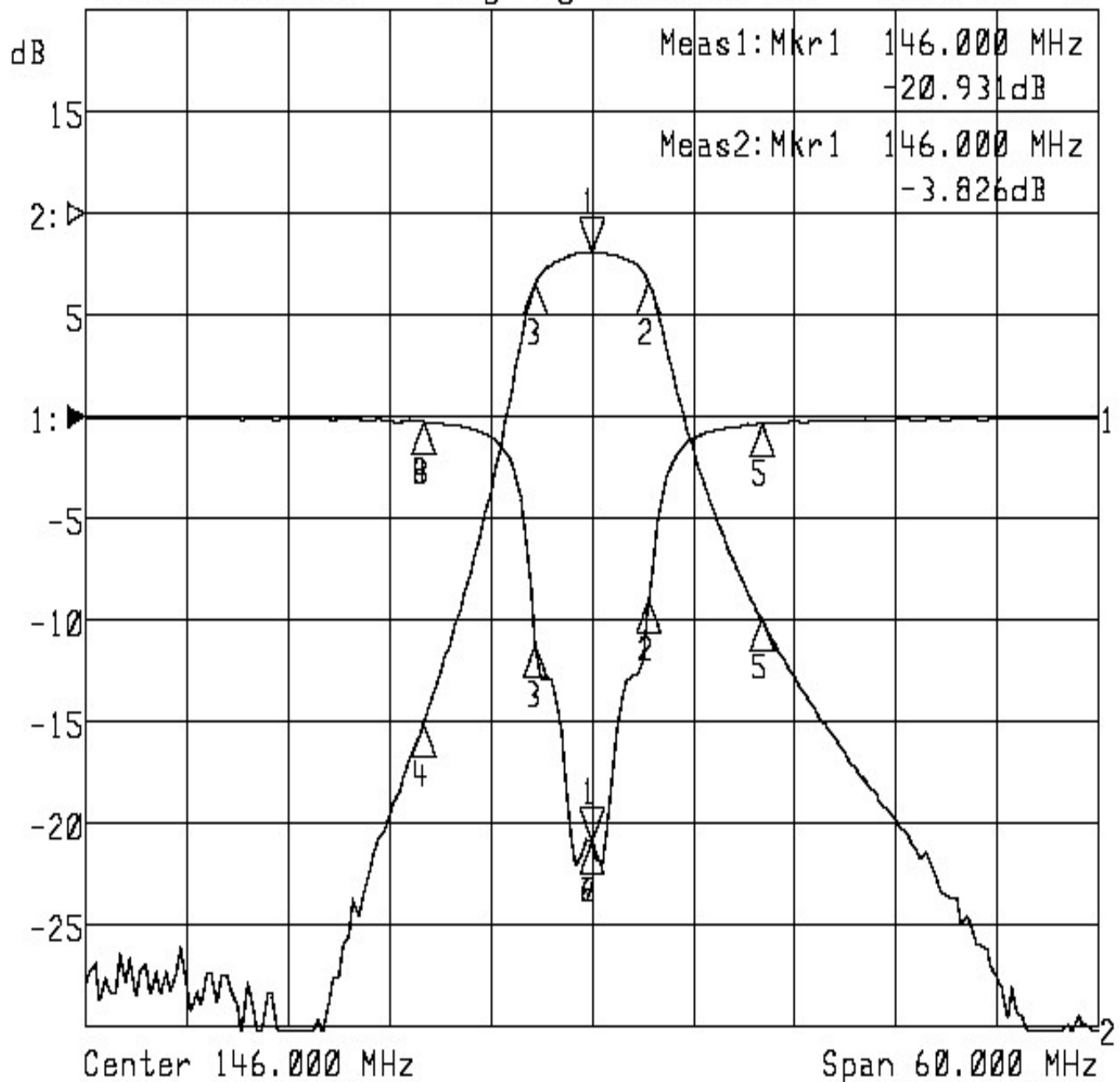
TEMWELL Form11- TM- -Vession C

RP(Z.J.)

Performance-TM-TF69709B-146M-SMA

202011030CD

►1: Reflection Log Mag 5.0 dB/ Ref 0.00 dB C
 ►2: Transmission Log Mag 10.0 dB/ Ref 0.00 dB C



1: Mkr (MHz)	dB	2: Mkr (MHz)	dB
1> 146.0000	-20.931	1> 146.0000	-3.826
2: 149.4000	-8.983	2: 149.4000	-6.865
3: 142.7000	-11.260	3: 142.7000	-6.808
4: 136.0000	-0.270	4: 136.0000	-50.331
5: 156.0000	-0.318	5: 156.0000	-39.786
6: 146.0000	-20.931		
7: 146.0000	-20.931		
8: 136.0000	-0.270		