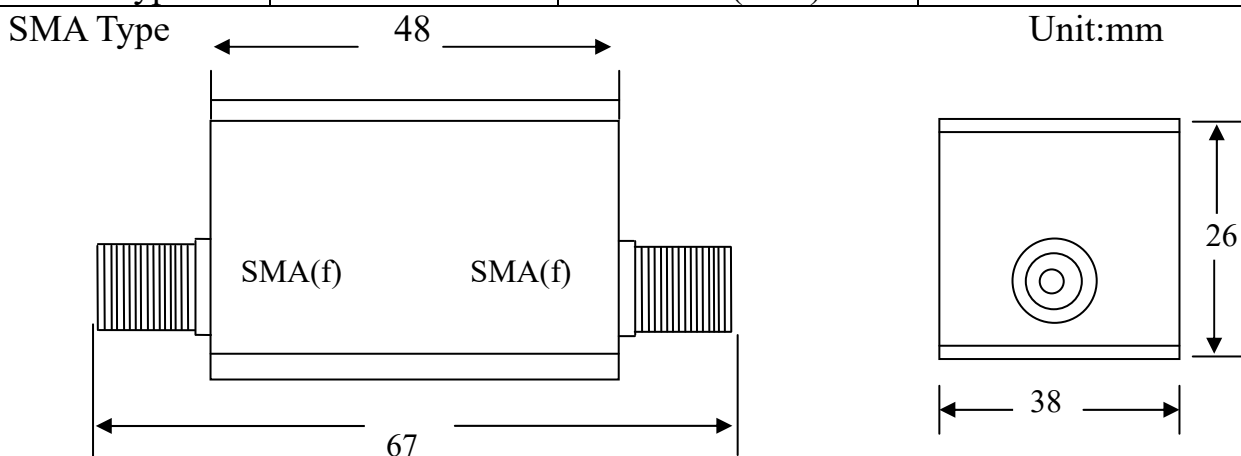


# TM Module Filter Specification Sheet

Customer Name		Temwell's Part No.	TM-TT67300A-90M-SMA
Approval No. /dated	202002063CD	Customer's Part No.	
Work Instruction No.	202002063CD	Date	Apr.01.2020
Case Name	TM	Temwell's print name	
Terminator Type	SMA(f)/SMA(f)	Case size : ( mm)	48*38*26



### (3) Electric Character

Item	Specify	Performance	
Center Freq.(Fo ) +/- 0.5 %	90 MHz	90 MHz	
Insertion Loss	Typ. 3.0 dB	2.24 dB	
-3 dB Bandwidth	Typ. 10 MHz	10 MHz	
Sensitivity (Attenuation )	Fo -( 20 ) MHz	Typ. 34 dB	39 dB
	Fo +( 20 )MHz	Typ. 33 dB	38 dB
	Fo - ( )MHz	Typ. dB	dB
	Fo +( )MHz	Typ. dB	dB
Return Loss	Min. 12 dB	36.5 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	Y.L. Lin	7H3A PCB(41x12) 7H00LB4

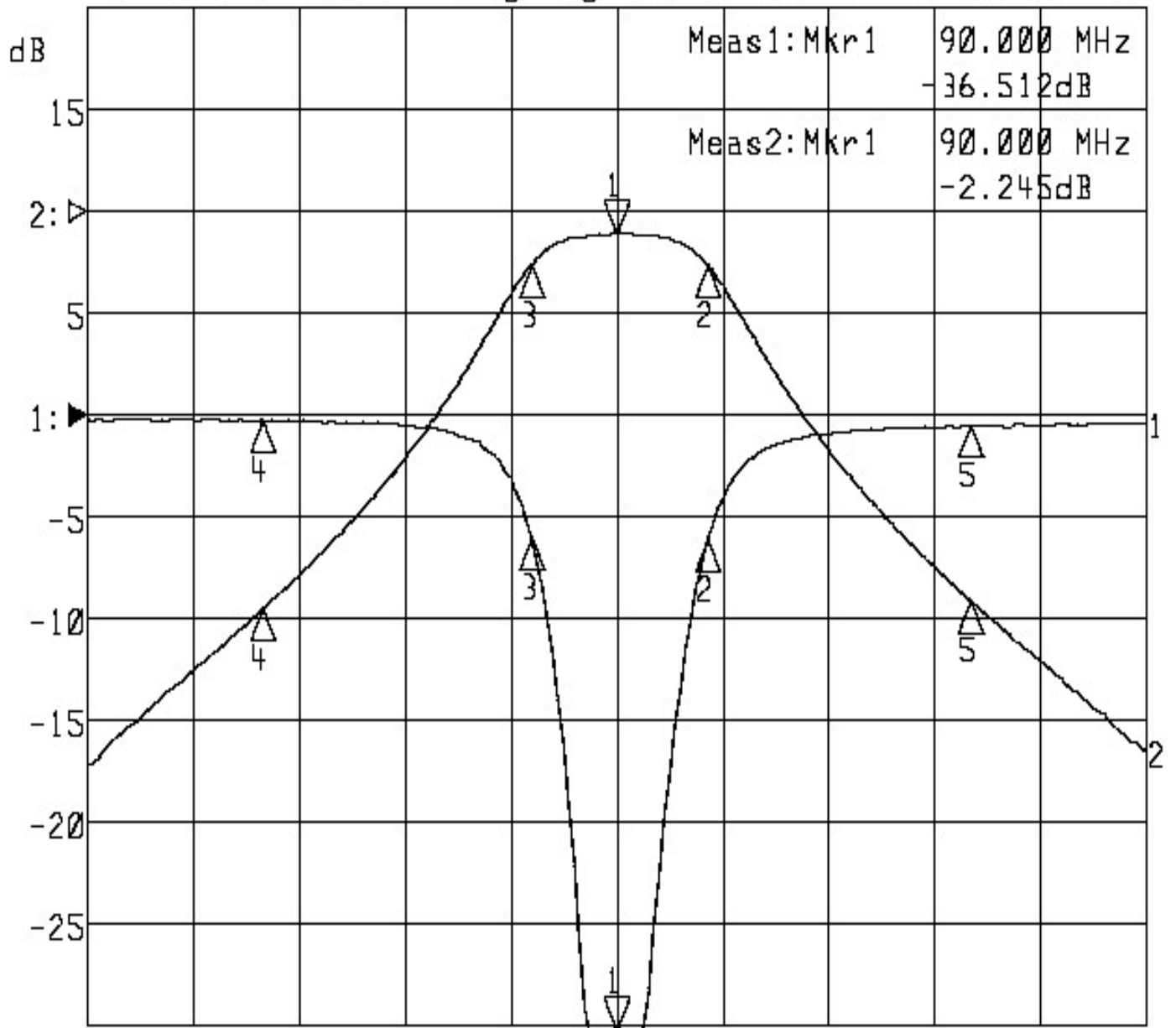
**TEMWELL CORPORATION**

TEMWELL Form11- TM- -Vession C

RP:(Y.L.)

# Performance-TM-TT67300A-90M-SMA 202002063CD

▶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



Center 90.000 MHz

Span 60.000 MHz

1: Mkr (MHz)	dB	2: Mkr (MHz)	dB
1> 90.0000	-36.512	1> 90.0000	-2.245
2: 95.1600	-6.134	2: 95.1600	-5.255
3: 85.1600	-5.963	3: 85.1600	-5.286
4: 70.0000	-0.273	4: 70.0000	-39.014
5: 110.0000	-0.512	5: 110.0000	-38.161