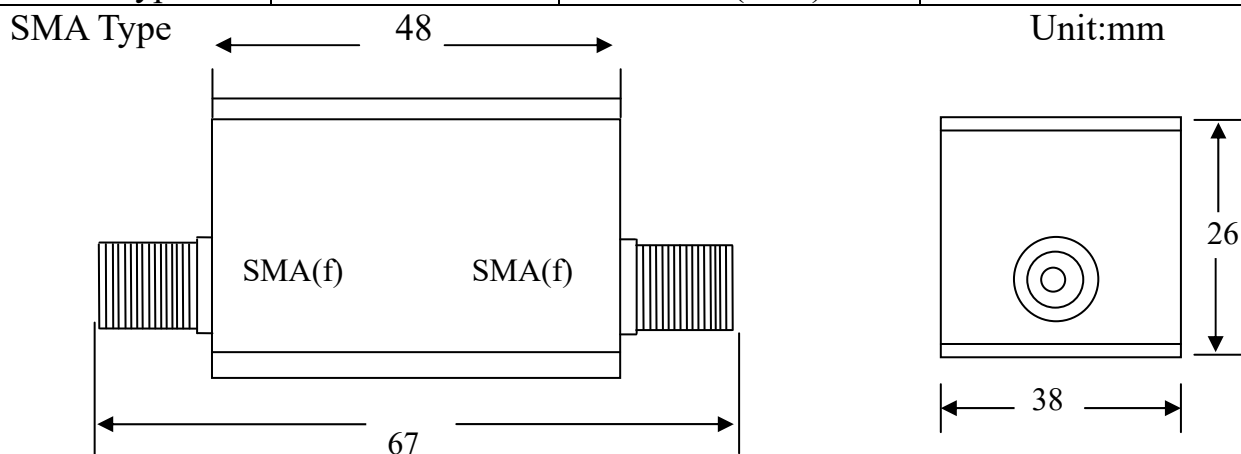


TM Module Filter Specification Sheet

Customer Name		Temwell's Part No.	TM-TT67190A-90M-5MSMA
Approval No. /dated	202005022CD	Customer's Part No.	
Work Instruction No.	202005022CD	Date	May.26.2020
Case Name	TM	Temwell's print name	67109A 90M
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	2.35 dB
-3 dB Bandwidth	Typ. 6 MHz	8.6 MHz
Sensitivity (Attenuation)	Fo -(20) MHz	Typ. 39 dB
	Fo +(20)MHz	Typ. 40 dB
	Fo - ()MHz	Typ. dB
	Fo +()MHz	Typ. dB
Return Loss	Min. 12 dB	32.5 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.C. Li	7H3A PCB(41x12) 7H00LB6

TEMWELL CORPORATION

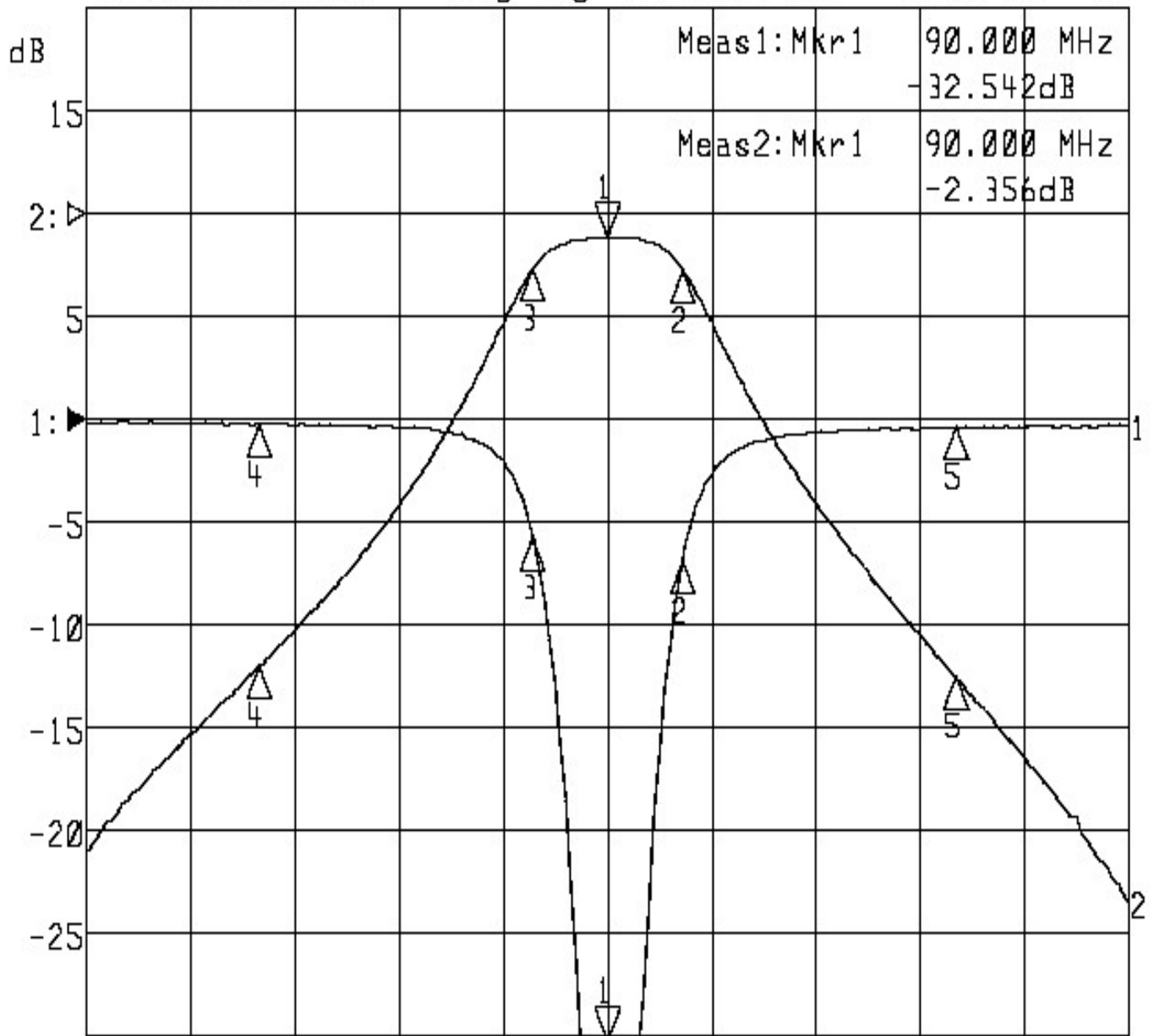
TEMWELL Form11- TM- -Vession C

RP:(Y.C.)

Performance-TM-TT67190A-90M-5MSMA

202005022CD

▶1: Reflection Log Mag 5.0 dB/ Ref 0.00 dB C
▶2: Transmission 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	-32.542	1> 90.0000	-2.356
2: 94.3400	-6.835	2: 94.3400	-5.385
3: 85.7400	-5.698	3: 85.7400	-5.336
4: 70.0000	-0.221	4: 70.0000	-44.064
5: 110.0000	-0.418	5: 110.0000	-45.012