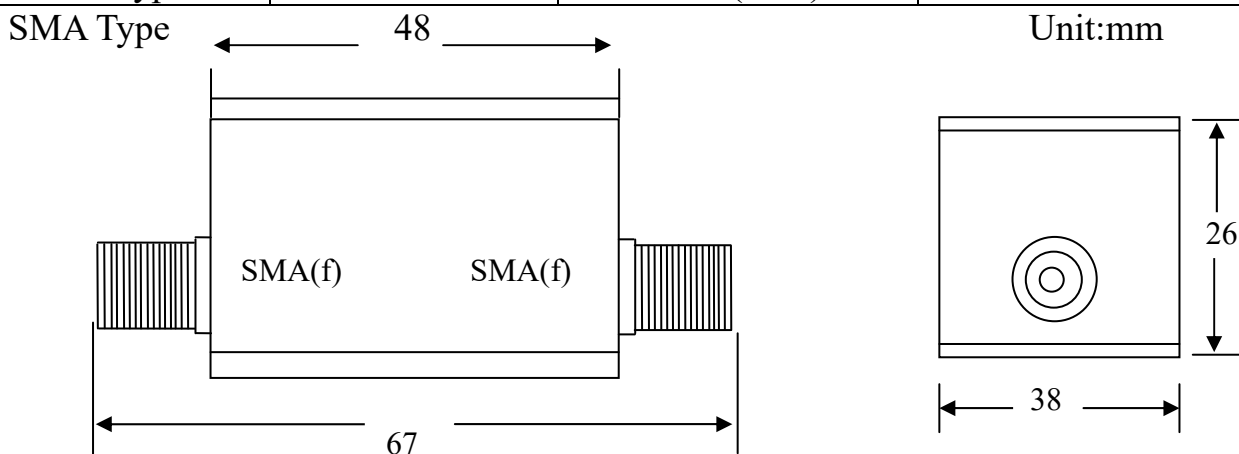


# TM Module Filter Specification Sheet

Customer Name		Temwell's Part No.	TM-TTW3417A-240M-SMA
Approval No. /dated	202004056CD	Customer's Part No.	
Work Instruction No.	202004056CD	Date	May.14.2020
Case Name	TM	Temwell's print name	3417A 240M
Terminator Type	SMA(f)/SMA(f)	Case size : ( mm)	48*38*26



### (3) Electric Character

Item	Specify	Performance
Center Freq.(Fo ) +/- 0.5 %	240 MHz	240 MHz
Insertion Loss	Typ. 4.0 dB	3.47 dB
-3 dB Bandwidth	Typ. 12 MHz	13.6 MHz
Sensitivity (Attenuation )	Fo -( 100 ) MHz	Typ. 65 dB
	Fo +( 100 )MHz	Typ. 54 dB
	Fo - ( )MHz	Typ. dB
	Fo +( )MHz	Typ. dB
Return Loss	Min. 12 dB	16.9 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	Y.C. Li	5W3A PCB(41x12) 5HW00LB3

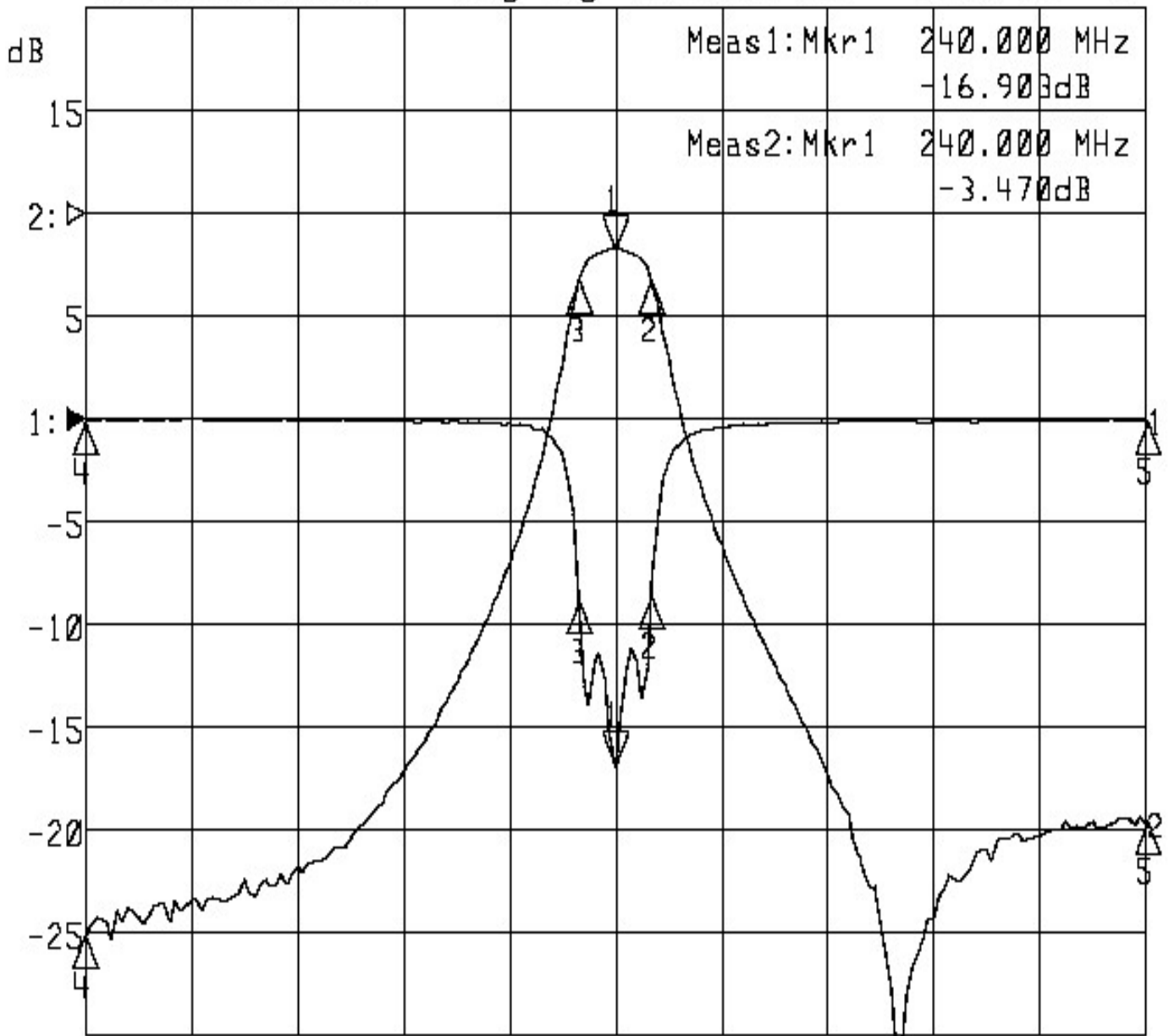
**TEMWELL CORPORATION**

TEMWELL Form11- TM- -Vession C

RP:(Y.C.)

# Performance-TM-TTW3417A-240M-SMA 202004056CD

▶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 240.000 MHz

Span 200.000 MHz

1: Mkr (MHz)	dB	2: Mkr (MHz)	dB
1> 240.0000	-16.903	1> 240.0000	-3.470
2: 246.8000	-8.591	2: 246.8000	-6.413
3: 233.2000	-8.888	3: 233.2000	-6.418
4: 140.0000	-0.076	4: 140.0000	-70.298
5: 340.0000	-0.098	5: 340.0000	-59.290