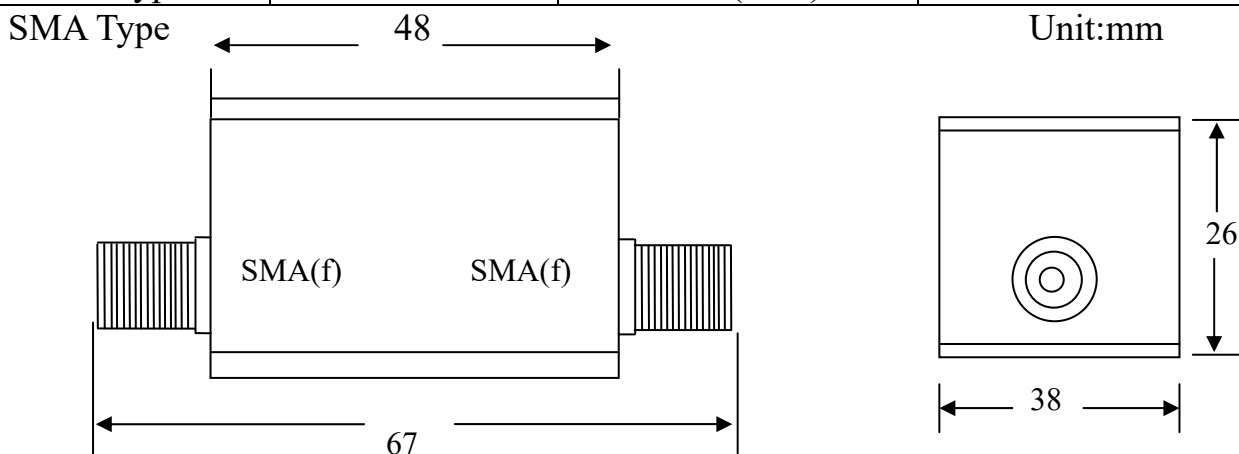


# TM Module Filter Specification Sheet

Customer Name		Temwell's Part No.	TM-TTW3933A-280M-SMA
Approval No. /dated	202004057CD	Customer's Part No.	
Work Instruction No.	202004057CD	Date	May.13.2020
Case Name	TM	Temwell's print name	3933A 280M
Terminator Type	SMA(f)/SMA(f)	Case size : ( mm)	48*38*26



### (3) Electric Character

Item	Specify	Performance
Center Freq.(Fo ) +/- 0.5 %	280 MHz	280 MHz
Insertion Loss	Typ. 5.0 dB	4.12 dB
-3 dB Bandwidth	Typ. 10 MHz	13.6 MHz
Sensitivity (Attenuation )	Fo -( 100 ) MHz	Typ. 58 dB
	Fo +( 100 )MHz	Typ. 50 dB
	Fo - ( )MHz	Typ. dB
	Fo +( )MHz	Typ. dB
Return Loss	Min. 12 dB	15.8 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	P.Y. Li	5W3A PCB(41x12) 5HW00LB3

**TEMWELL CORPORATION**

TEMWELL Form11- TM- -Vession C

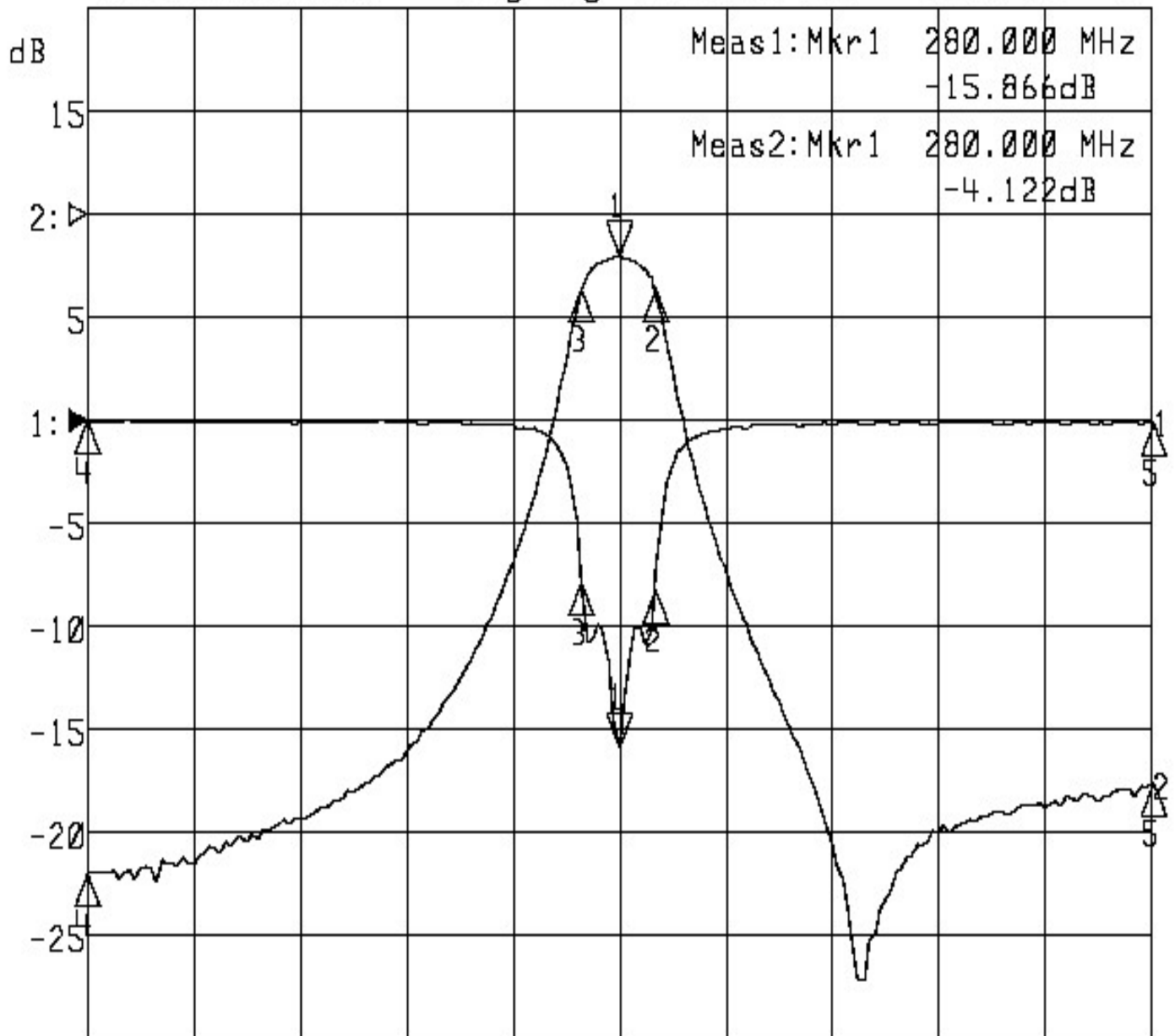
RP:(P.Y.)

# Performance-TM-TTW3933A-280M-SMA

## 202004057CD

▶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 280.000 MHz

Span 200.000 MHz

1: Mkr (MHz)	dB	2: Mkr (MHz)	dB
1> 280.0000	-15.866	1> 280.0000	-4.122
2: 286.6000	-8.297	2: 286.6000	-7.134
3: 273.0000	-7.860	3: 273.0000	-7.193
4: 180.0000	-0.030	4: 180.0000	-63.939
5: 380.0000	-0.097	5: 380.0000	-55.330