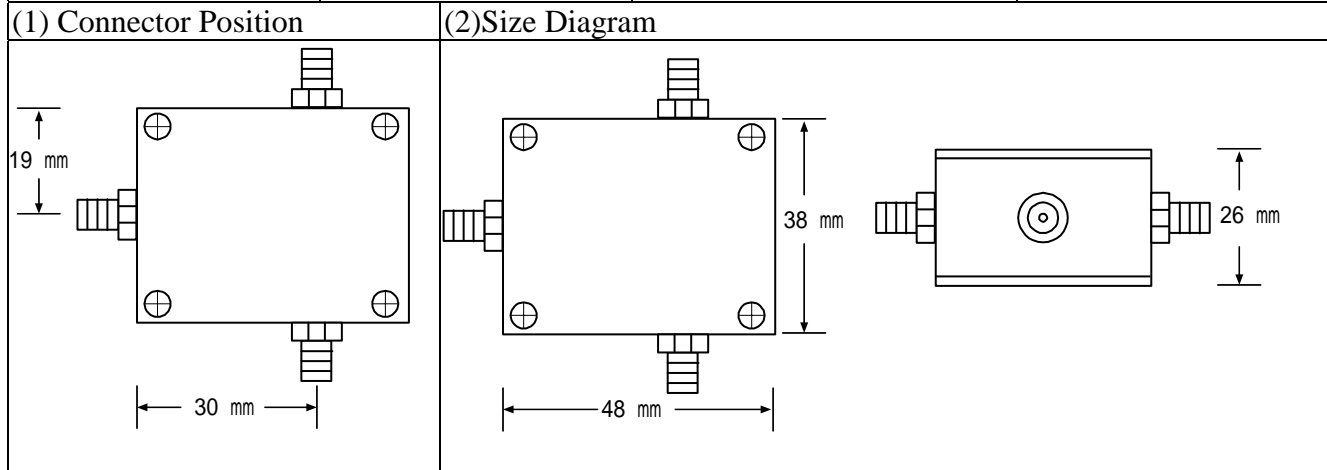


# TEMWELL Diplexer Specification Sheet

Customer Name		Temwell's Part No.	DiAM-317-155M/172M-SMA
Approval No. /dated	0806133D	Temwell's Print Name	
Work Instruction No.	0806133D	Date	Jun.27.2008



**(3) Electric Characteristic**

Item	Specify	Performance
Center Freq.(Fo ) +/- 0.5 %	Port2 Typ. 155 MHz	155 MHz
	Port3 Typ. 172 MHz	172 MHz
-3 dB bandwidch	Port2 Typ. 6 MHz	8.6 MHz
	Port3 Typ. 6 MHz	8.2 MHz
Return Loss output 1 (S11)	Port2 Typ. > 12 dB	19.5 dB
	Port3 Typ. > 12 dB	25.2 dB
Return Loss output 2 (S22)	Typ. > 12 dB	15.2 dB
Return Loss output 3 (S33)	Typ. > 12 dB	21.8 dB
Insertion Loss (S21)	Typ. < 3.0 dB	2.80 dB
Insertion Loss (S31)	Typ. < 3.0 dB	3.02 dB
ISOLATION (S23)	>40 dB	41 dB
Impedance	In / Out : 50Ω	In / Out : 50 Ω
(4) Torque for Tuning Screw	> 100gf cm	

**(5) Temperature Condition:**

Operating Temperature	-30 ~ +70
Storage Temperature	-30 ~ +80

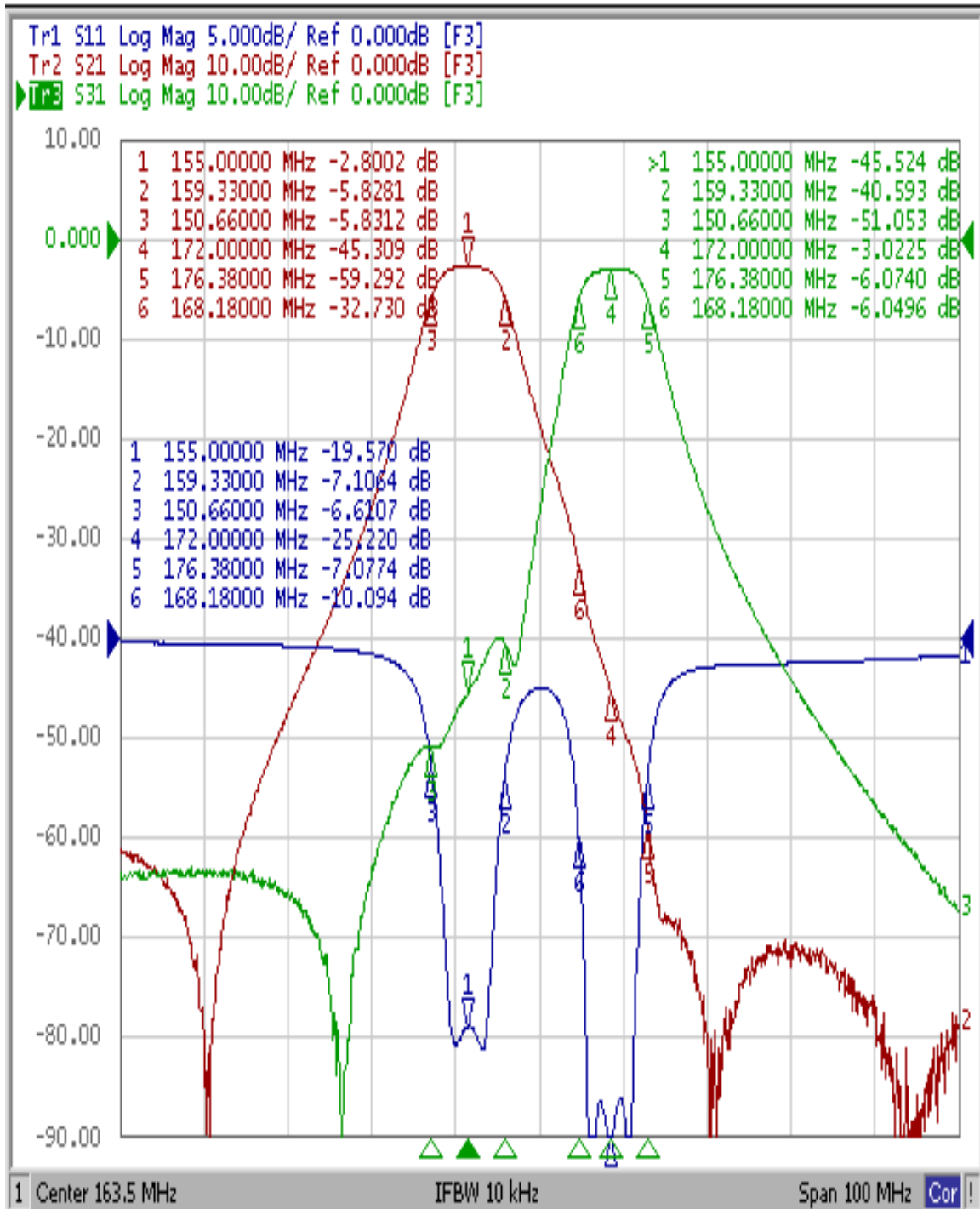
**(6) Input Power**

> 20Watt			
Approval	Supervisor	Designer	Aperture size
C. Y. Chang	C.S. Chang	Y.H. Yeh	SMA Type

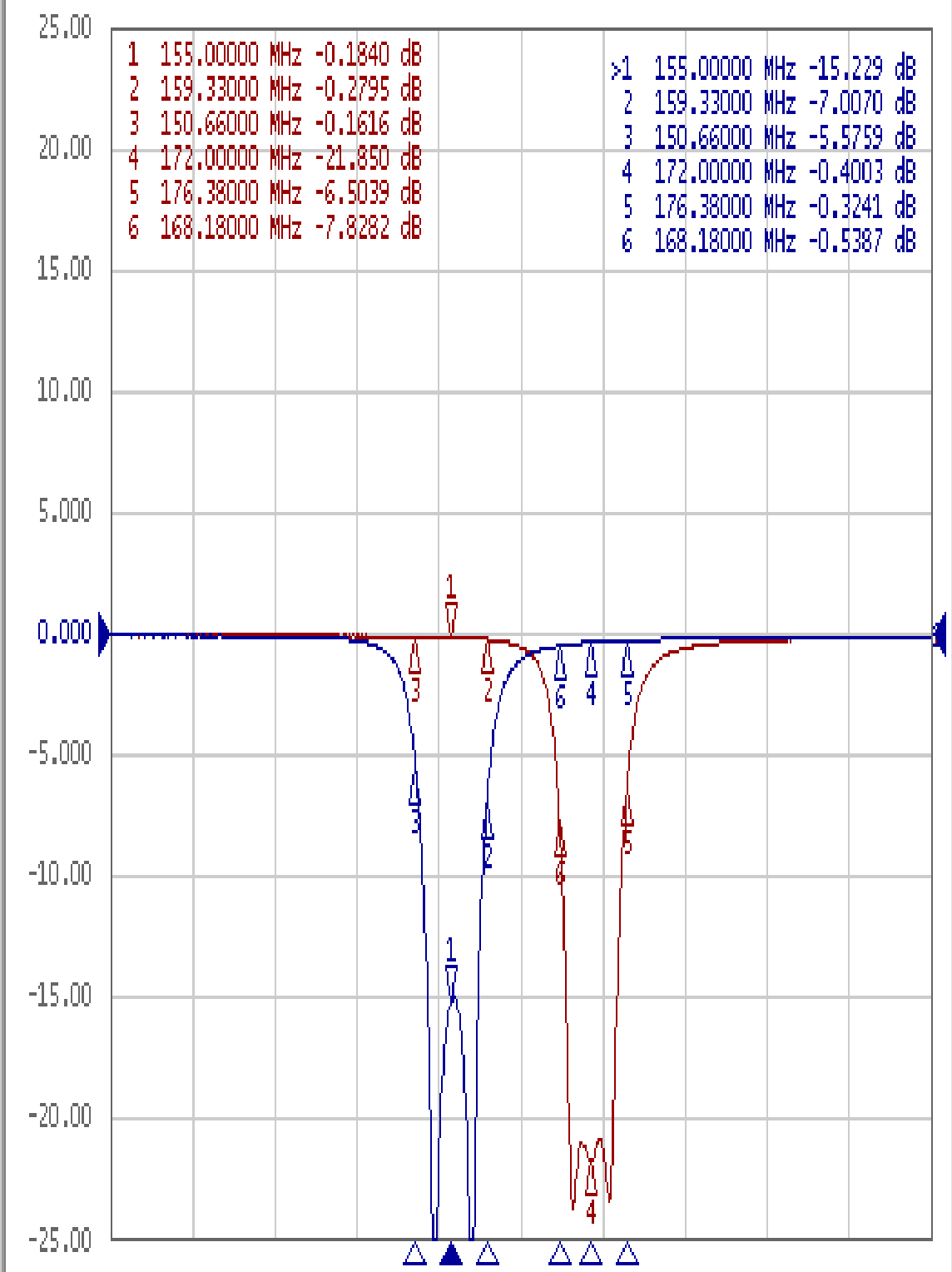
**TEMWELL CORPORATION**

# Performance-DiAM-317-155M/172M-SMA

**0806133D**

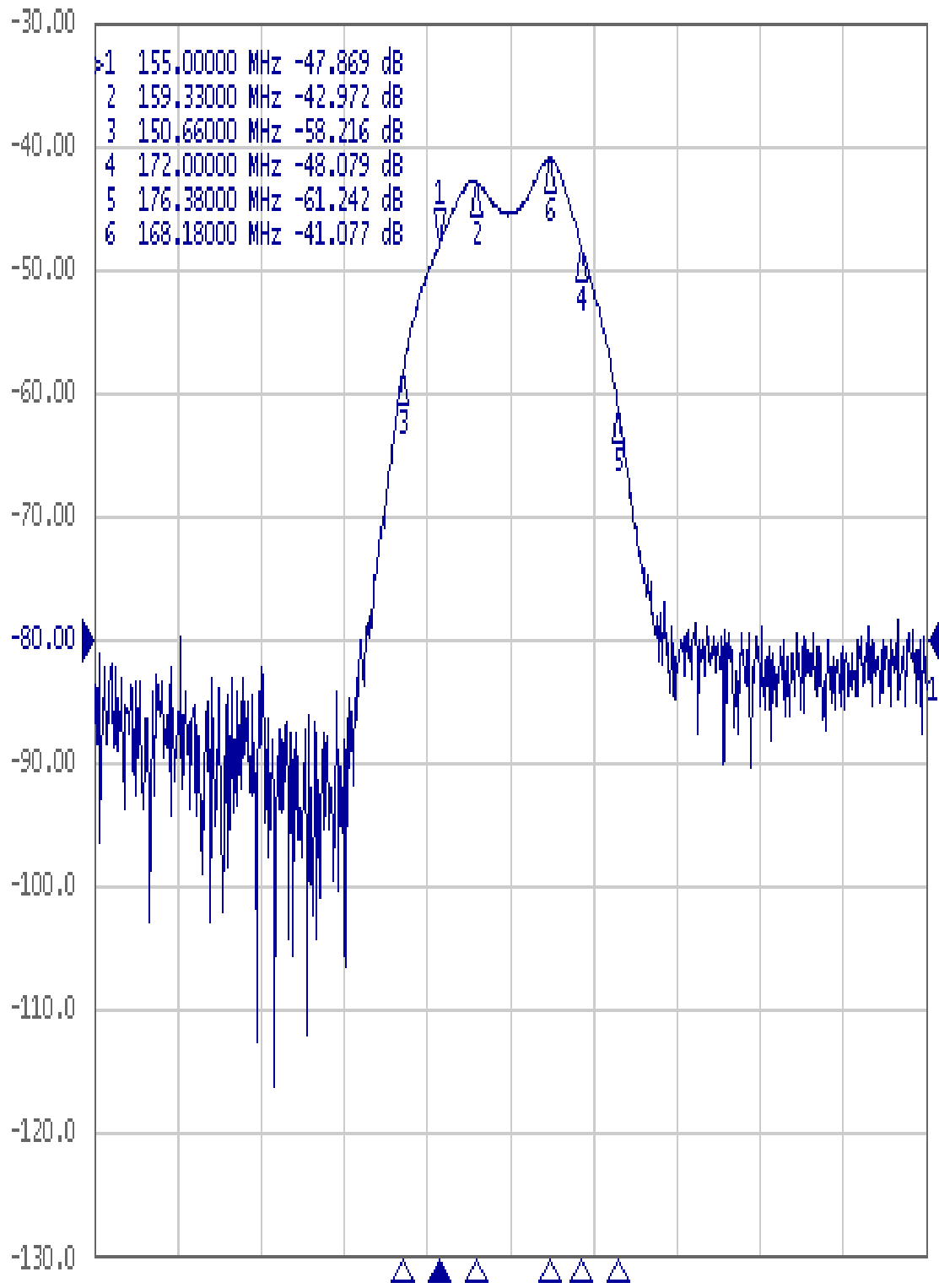


Tr1 S22 Log Mag 5.000dB/ Ref 0.000dB [F3]  
 Tr2 S33 Log Mag 5.000dB/ Ref 0.000dB [F3]



1 Center 163.5 MHz IFBW 10 kHz Span 100 MHz Cor !

Tr1 523 Log Mag 10.00dB/ Ref -80.00dB [F3]



1 Center 163.5 MHz

IFBW 10 kHz

Span 100 MHz Cor !