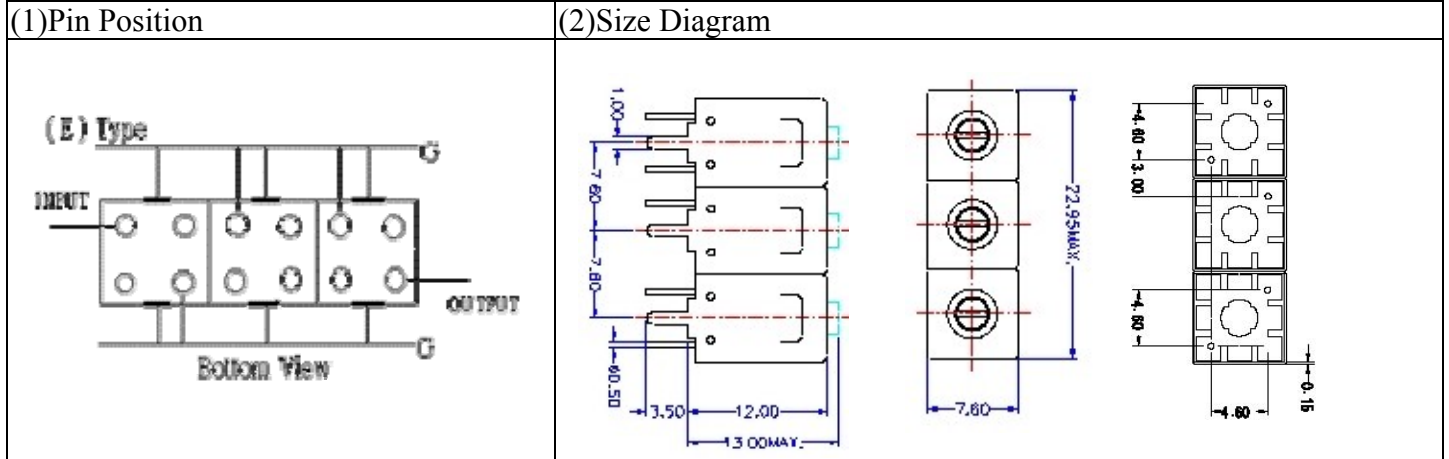


VHF UHF Helical Filter Specification Sheet

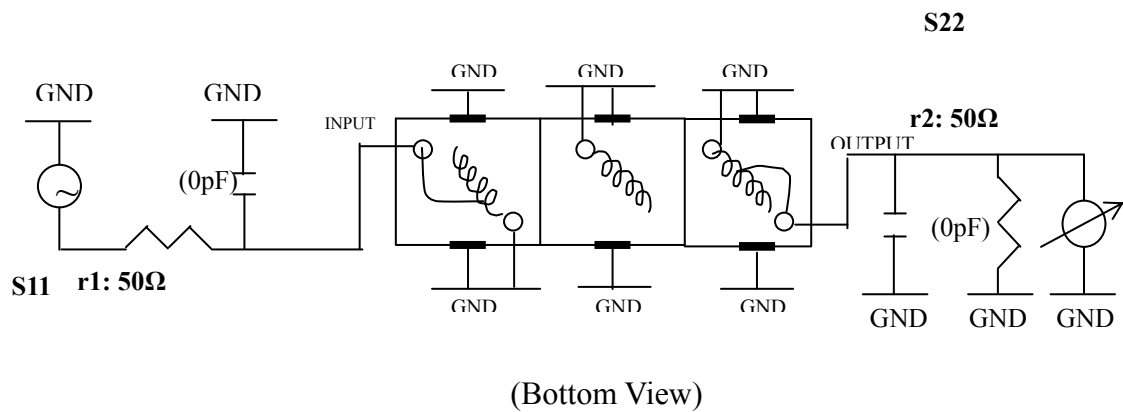
Customer Name		Temwell's Part No.	TT63229E-155M-9M
Approval No. /dated	0803013APR	Customer's Part No.	146~165
Work Instruction No.	0803013CD	Date	Mar.08.2008



(3) Electric Characteristic			
Item	Specify	Performance	
Center Freq.(Fo) +/- 0.75 %	155 MHz	155 MHz	
Tunable Range:	155±2 MHz	155±2 MHz	
Insertion Loss	Typ. 3 dB	1.90 dB	
-3 dB Bandwidth	Typ. 9 MHz	9.8 MHz	
Sensitivity (Attenuation)	Fo - 20 MHz	Typ. 45 dBc	48 dBc
	Fo + 20 MHz	Typ. 26 dBc	29 dBc
	Fo - ()MHz	Typ. dBc	dBc
	Fo +()MHz	Typ. dBc	dBc
Return Loss	Min. 12 dB	31.6 dB	
Ripple	< 1 dB	dB	
Impedance	In / Out : 50 Ω	In / Out : 50 Ω	
(4) Torque for Tuning Screw	> 100gf · cm		

(5) Temperature Condition:	
Operating Temperature	-30°C ~ +70°C
Storage Temperature	-30°C ~ +80°C
(6) Input Power	> 1Watt

(7) Measuring Circuit: ※Easy to match Impedance S11/S22 50Ω by parallel with about (0pF) / (0pF).



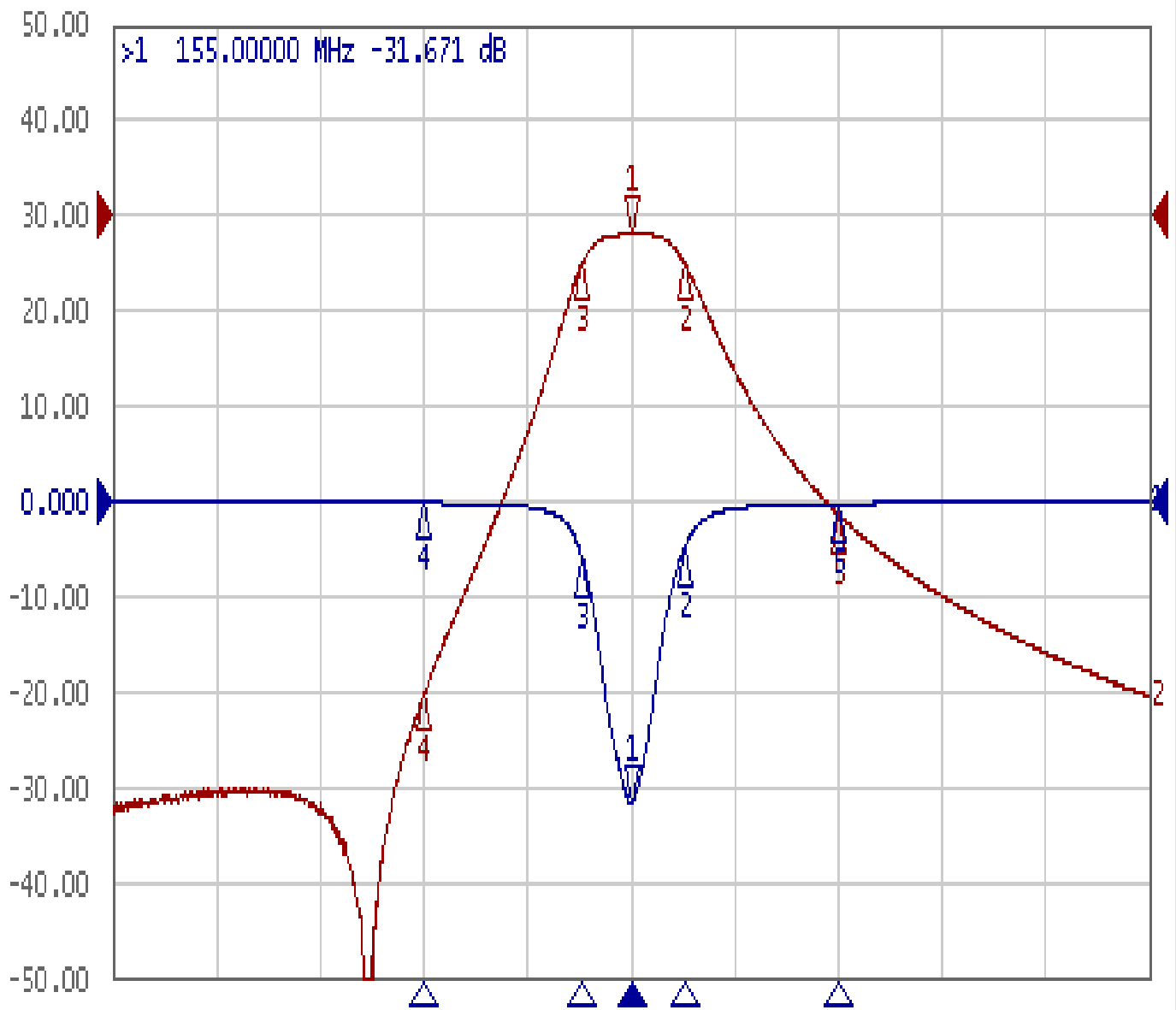
Approval	Supervisor	Designer	Aperture size
C.Y.Chang	C.S.Chang	C.S.Chang	7H3(4*7.5) 7H024RB4

TEMWELL CORPORATION

Performance-TT63229E-155M-9M

0803013CD

Tr1 S11 Log Mag 10.00dB/ Ref 0.000dB [F3]
Tr2 S21 Log Mag 10.00dB/ Ref 0.000dB [F3]



1 Center 155 MHz IFBW 10 kHz Span 100 MHz

Ch1	Tr1	S11	>1	155.00000	MHz	-31.671	dB
Ch1	Tr1	S11	2	160.11400	MHz	-4.8875	dB
Ch1	Tr1	S11	3	150.32800	MHz	-6.1559	dB
Ch1	Tr1	S11	4	135.00000	MHz	-0.1739	dB
Ch1	Tr1	S11	5	175.00000	MHz	-0.2270	dB
Ch1	Tr2	S21	1	155.00000	MHz	-1.9028	dB
Ch1	Tr2	S21	2	160.11400	MHz	-4.9378	dB
Ch1	Tr2	S21	3	150.32800	MHz	-4.8795	dB
Ch1	Tr2	S21	4	135.00000	MHz	-50.234	dB
Ch1	Tr2	S21	5	175.00000	MHz	-31.383	dB