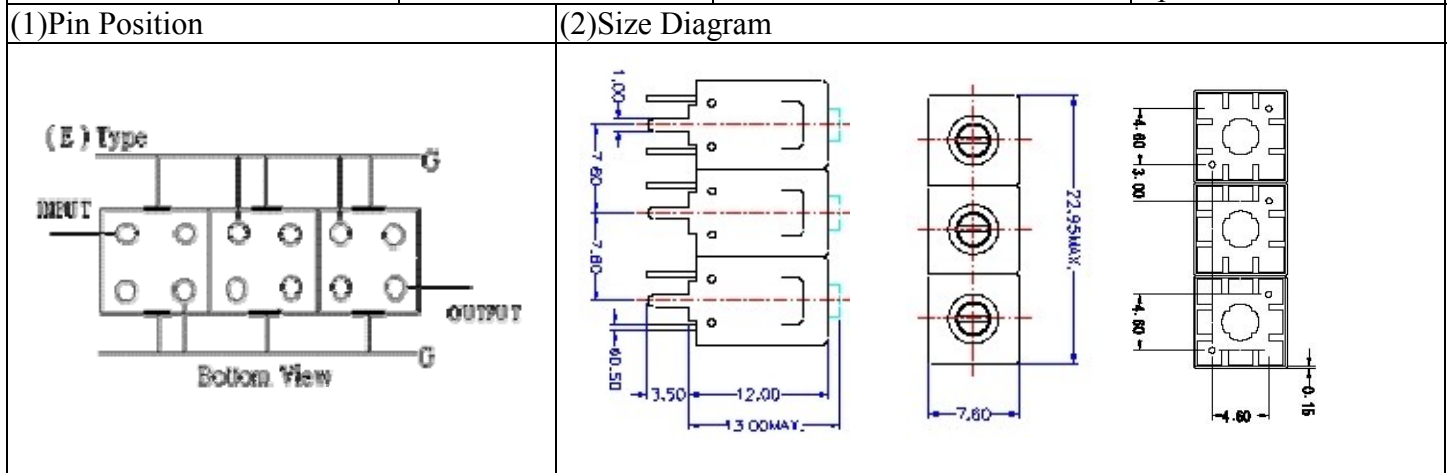


# VHF UHF Helical Filter Specification Sheet

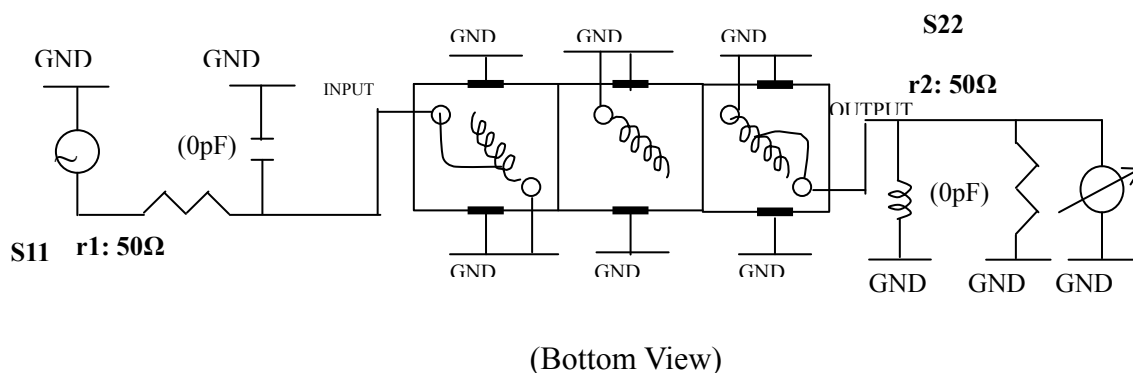
Customer Name		Temwell's Part No.	TT63330E-666M
Approval No. /dated	0903089APR	Temwell's Print Name	63330E 666M
Work Instruction No.	200903089BD	Date	Apr.06.2009



(3) Electric Characteristic			
Item	Specify	Performance	
Center Freq.(Fo) +/- 0.5 %	666 MHz	666	MHz
Insertion Loss	Typ. 2.0 dB	0.78	dB
-1 dB Bandwidth	Typ. 78 MHz	81.7	MHz
-3 dB Bandwidth	Typ. 92 MHz	96.4	MHz
Sensitivity (Attenuation)	Fo - 90 MHz	Typ. 18	dB
	Fo + 90 MHz	Typ. 17	dB
	Fo - ( )MHz	Typ.	dB
	Fo +( )MHz	Typ.	dB
Return Loss	Min. 12 dB	47.4	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	0°C ~ +60°C
Storage Temperature	-20°C ~ +70°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.K.Chang	C.S.Chang	7H3S(4*7.5)(7.55) 7H046LB5.5

TEMWELL CORPORATION

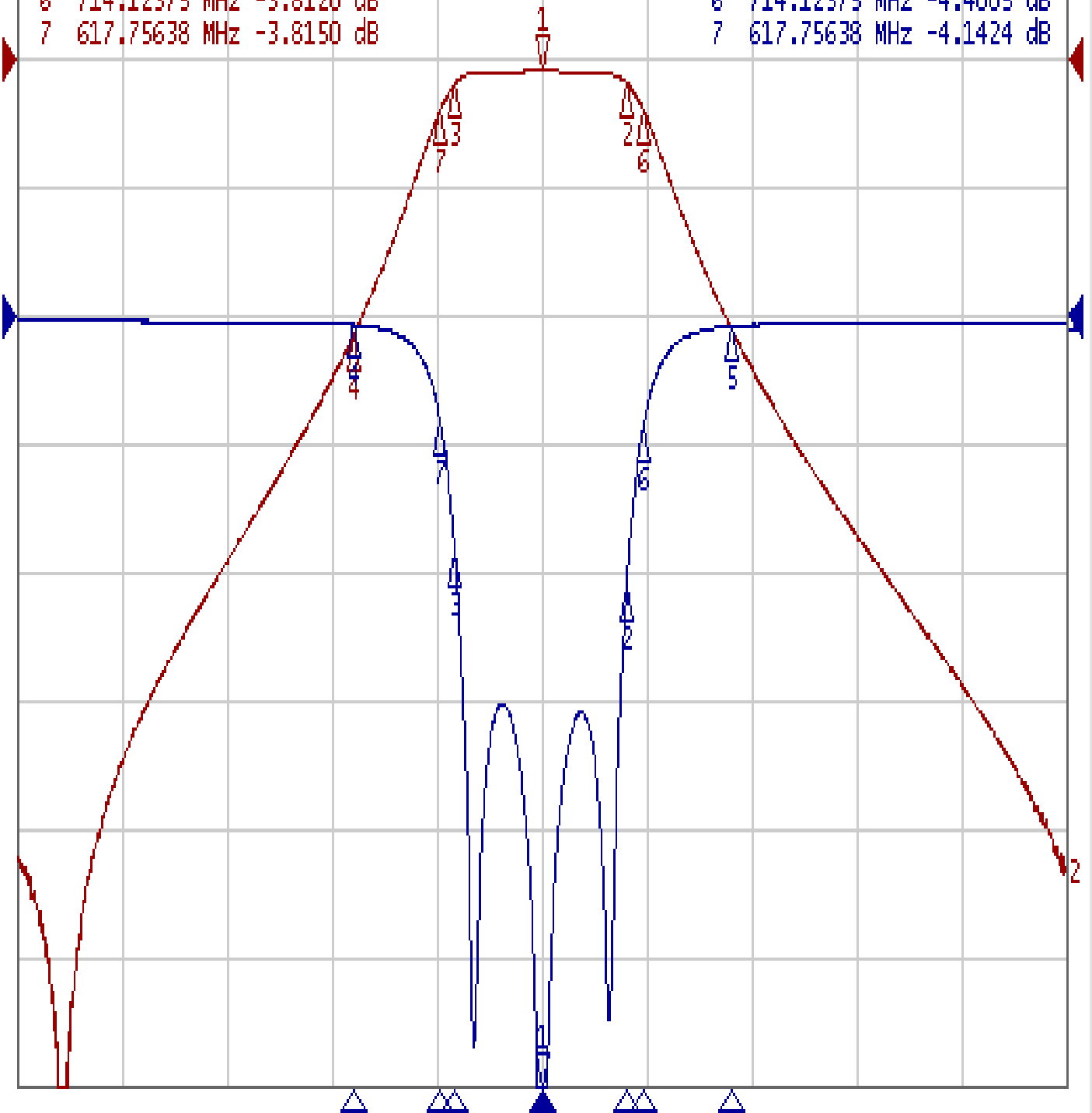
# Performance-TT63330E-666M

## 200903089BD

Tr1 S11 Log Mag 5.000dB/ Ref 0.000dB [F3]  
Tr2 S21 Log Mag 10.00dB/ Ref 0.000dB [F3]

1	666.00000 MHz	-0.7876 dB
2	706.31888 MHz	-1.7251 dB
3	624.66788 MHz	-1.7920 dB
4	576.00000 MHz	-21.501 dB
5	756.00000 MHz	-20.838 dB
6	714.12375 MHz	-3.8120 dB
7	617.75638 MHz	-3.8150 dB

>1	666.00000 MHz	-47.444 dB
2	706.31888 MHz	-10.604 dB
3	624.66788 MHz	-9.2780 dB
4	576.00000 MHz	-0.3153 dB
5	756.00000 MHz	-0.3752 dB
6	714.12375 MHz	-4.4005 dB
7	617.75638 MHz	-4.1424 dB



1 Center 666 MHz

IFBW 10 kHz

Span 500 MHz

