Tel: +44 1460 256 100
Fax: +44 1460 256 101
www.golledge.com

Golledge

Golledge Electronics Ltd
Eaglewood Park, ILMINSTER
Somerset, TA19 9DQ, UK

SAW Filter 164.1750MHz — Model: TB0482A

Part No: **MA08915** REV. NO.: 1

A. MAXIMUM RATING:

1. Input Power Level: 15 dBm
2. DC Voltage : 5V
3. Operating Temperature: -40°C to +85°C
4. Storage Temperature: -50°C to +95°C

B. ELECTRICAL CHARACTERISTICS:

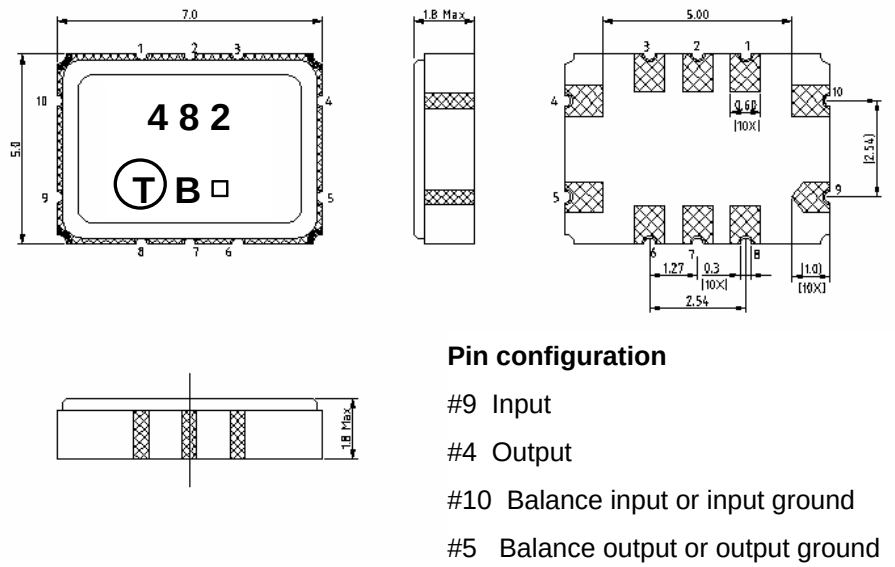
Item	Unit	Min.	Typ.	Max.	Note
Center frequency Fc	MHz	-	164.175	-	-
Insertion loss at center frequency ILc	dB	-	3.6	7.0	-
Ripple (164.17125 ~ 164.17875 MHz)	dB	-	±0.3	±1	-
Attenuation (relative to ILc)					
163.175 ~ 163.2775 MHz	dB	30	50	-	-
163.2775 ~ 164.075 MHz	dB	7	20	-	-
164.275 ~ 165.0725 MHz	dB	7	20	-	-
165.0725 ~ 165.175 MHz	dB	30	50	-	-
Temperature coefficient of frequency TCf		-0.034 ppm/C^2			

Note1. Considering -20 KHz frequency shift from –40℃ to +85℃

Tel: +44 1460 256 100
Fax: +44 1460 256 101
www.golledge.com

Golledge Electronics Ltd
Eaglewood Park, ILMINSTER
Somerset, TA19 9DQ, UK

C. OUTLINE DRAWING:



Pin configuration

#9 Input

#4 Output

#10 Balance input or input ground

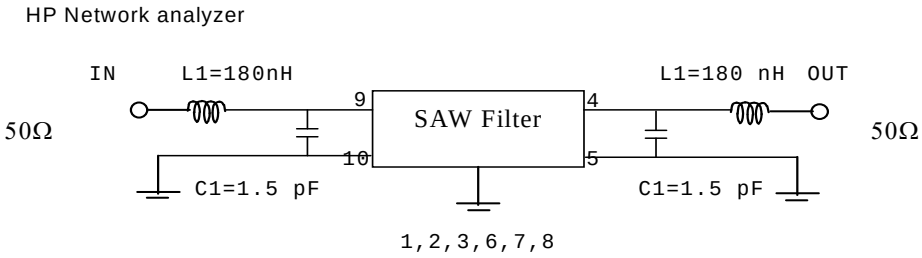
#5 Balance output or output ground

#1,2,3,6,7,8 To be grounded

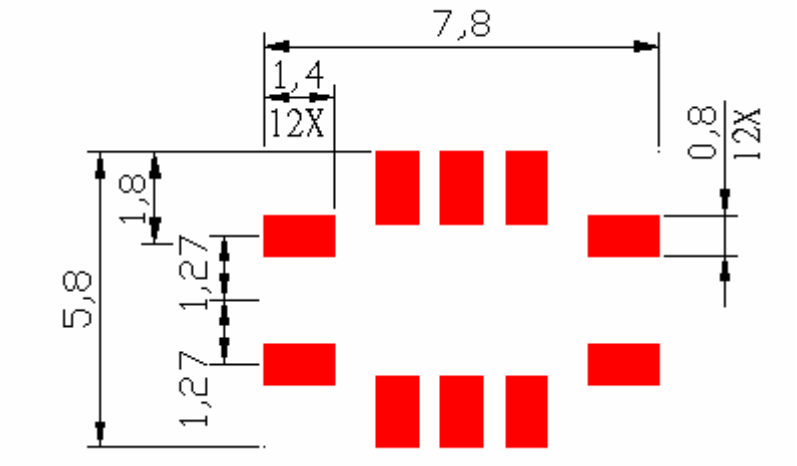
Unit mm

D. MEASUREMENT CIRCUIT:

50 Ohm Test circuit (single-ended / single-ended)



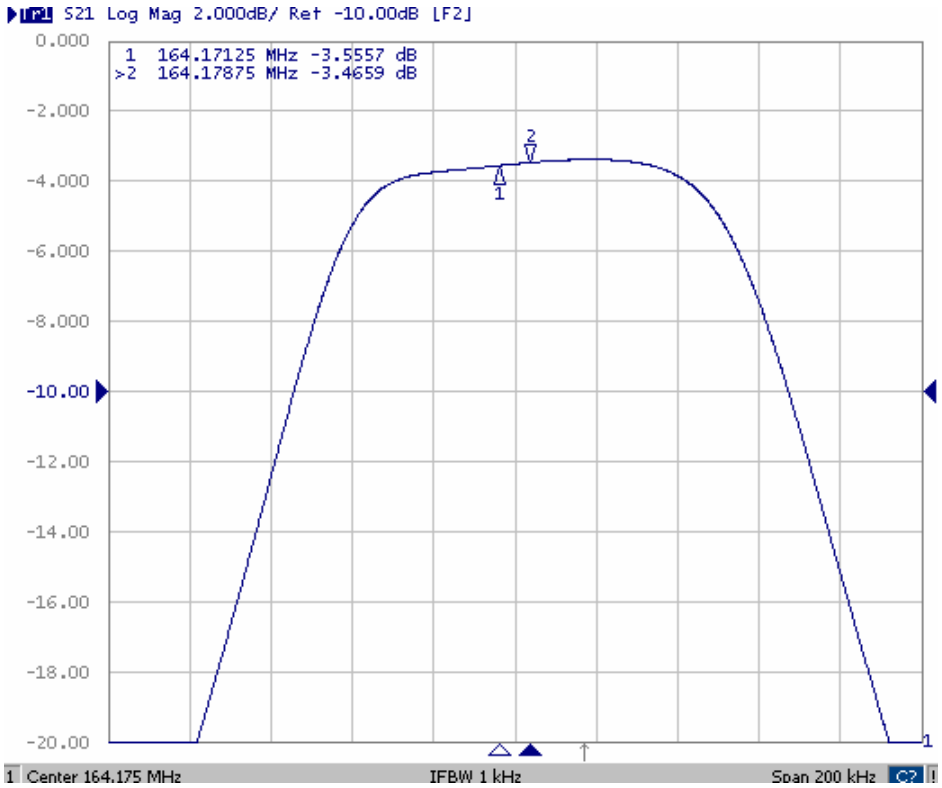
E. PCB FOOTPRINT:

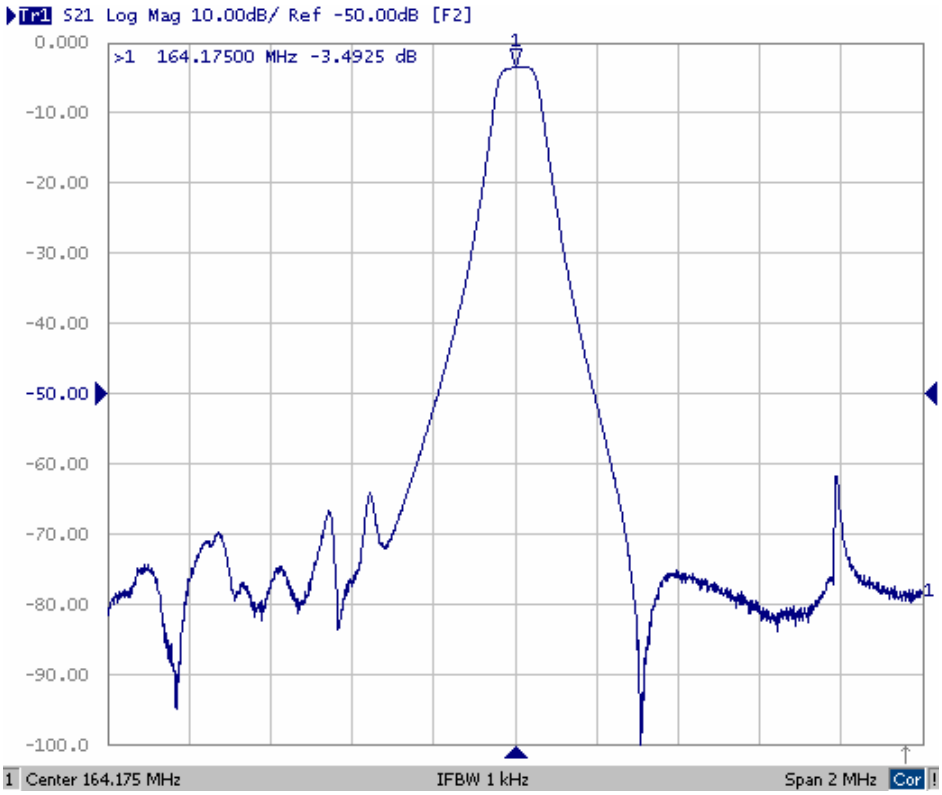


Tel: +44 1460 256 100
Fax: +44 1460 256 101
www.golledge.com

Golledge Electronics Ltd
Eaglewood Park, ILMINSTER
Somerset, TA19 9DQ, UK

F. FREQUENCY CHARACTERISTICS:



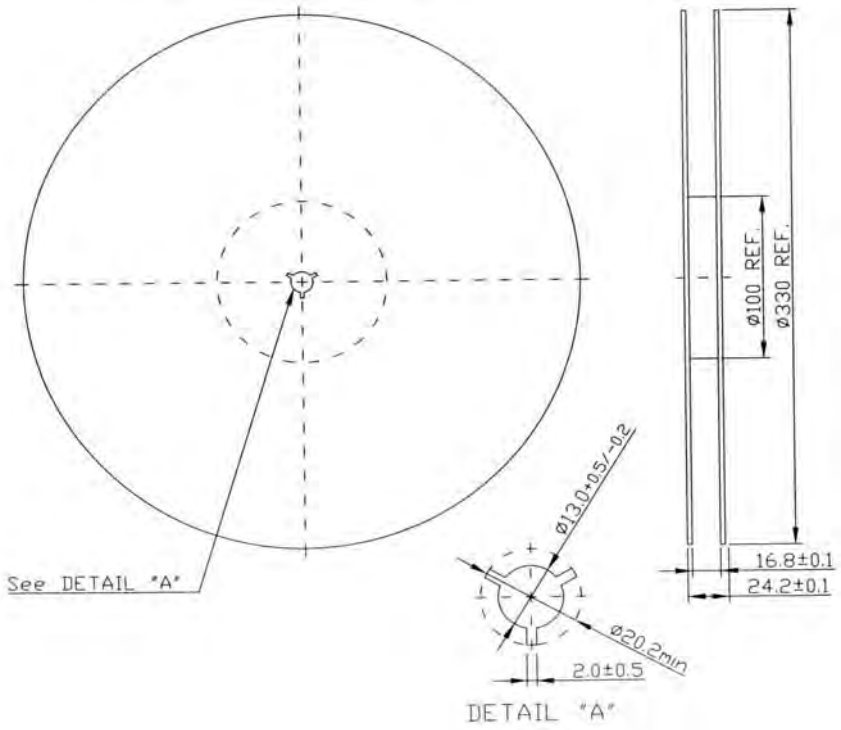


Tel: +44 1460 256 100
Fax: +44 1460 256 101
www.golledge.com

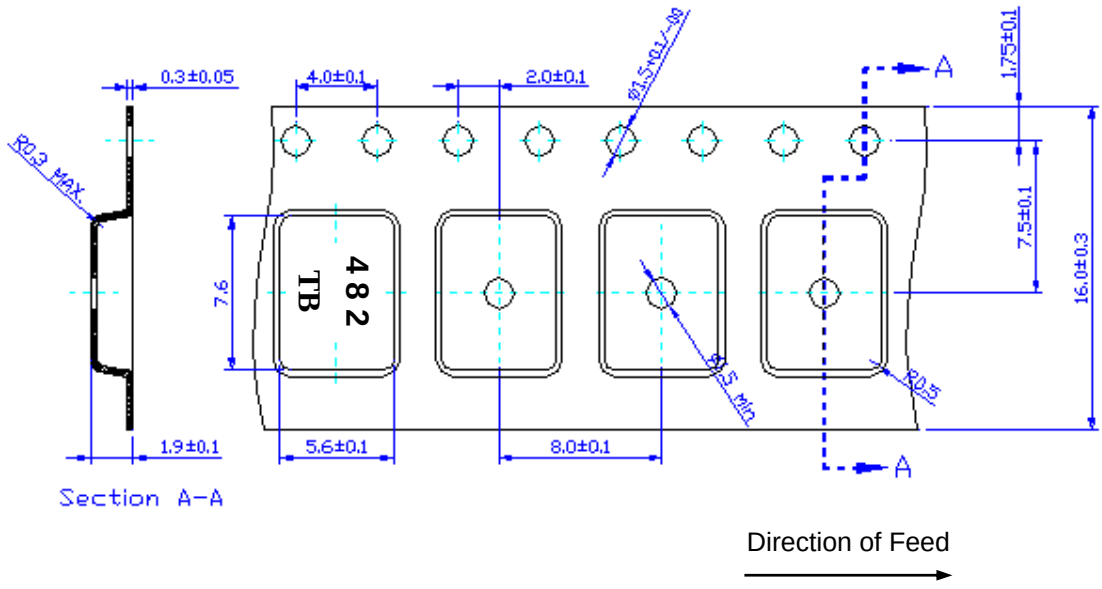
Golledge Electronics Ltd
Eaglewood Park, ILMINSTER
Somerset, TA19 9DQ, UK

G. PACKING:

1. REEL DIMENSION



2.TAPE DIMENSION



Tel: +44 1460 256 100
Fax: +44 1460 256 101
www.golledge.com

Golledge Electronics Ltd
Eaglewood Park, ILMINSTER
Somerset, TA19 9DQ, UK

H. RECOMMENDED REFLOW PROFILE :

