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

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

1542.50MHz SAW Filter — Model: **TA0425A**

Part No: **MA08935** — REV NO.: 1

A1. MAXIMUM RATING:

1. Input Power Level: 5 dBm
2. DC Voltage: 5V
3. Operating Temperature: +25°C
4. Storage Temperature: -40°C ~ +85°C

B1. ELECTRICAL CHARACTERISTICS :

Singled to Balanced operation

Terminating source impedance : Zs = 50Ω

Terminating load impedance : Z_L = 150 Ω // 33 nH

Item	Value			Note
	Min.	Typ.	Max.	
Center frequency F_C (MHz)	-	1542.5	-	-
Insertion loss (1525~1560 MHz) I.L. (dB)	-	3.1	4.0	-
Amplitude Ripple (1525~1560 MHz) (dB)	-	0.4	2.0	-
Attenuation:(Reference level from 0 dB)				
DC ~ 1480 MHz (dB)	21	44	-	-
1630 ~ 1660 MHz (dB)	26	34	-	-
1660 ~ 2050 MHz (dB)	30	35	-	-
2050 ~ 3500 MHz (dB)	25	50	-	-

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A2. MAXIMUM RATING:

1. Input Power Level: 5 dBm
2. DC Voltage: 5V
3. Operating Temperature: -10°C ~ +75°C
4. Storage Temperature: -40°C ~ +85°C

B2. ELECTRICAL CHARACTERISTICS :

Singled to Balanced operation

Terminating source impedance : Zs = 50 Ω

Terminating load impedance : Z_L = 150 Ω // 33 nH

Item	Value			Note
	Min.	Typ.	Max.	
Center frequency F_C (MHz)	-	1542.5	-	-
Insertion loss (1525~1560 MHz) I.L. (dB)	-	3.3	4.2	-
Amplitude Ripple (1525~1560 MHz) (dB)	-	0.7	2.0	-
Attenuation:(Reference level from 0 dB)				
DC ~ 1480 MHz (dB)	21	41	-	-
1630 ~ 1660 MHz (dB)	26	34	-	-
1660 ~ 2050 MHz (dB)	30	35	-	-
2050 ~ 3500 MHz (dB)	25	50	-	-

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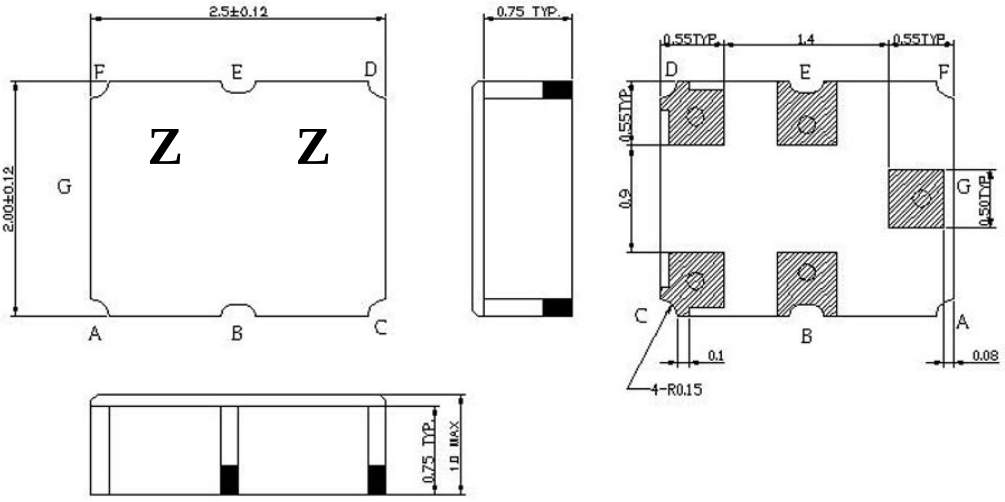
Part No: **MA08935** REV NO.: 1

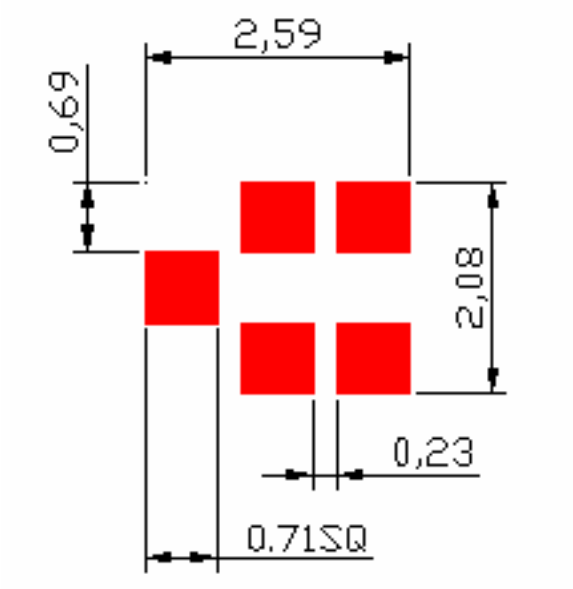
C. OUTLINE DRAWING:



Pin configuration

G : Unbalance input
C,D : Balance output
B,E : Ground
Unit : mm

D. PCB Footprint:



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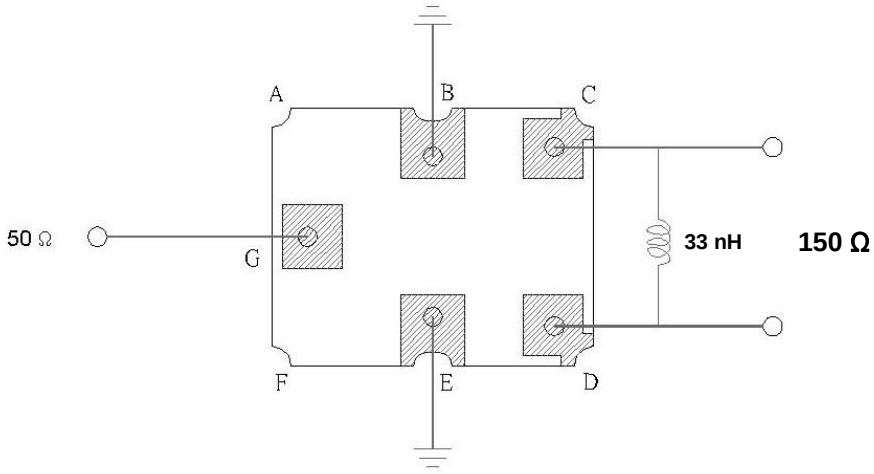
E. MEASUREMENT CIRCUIT:



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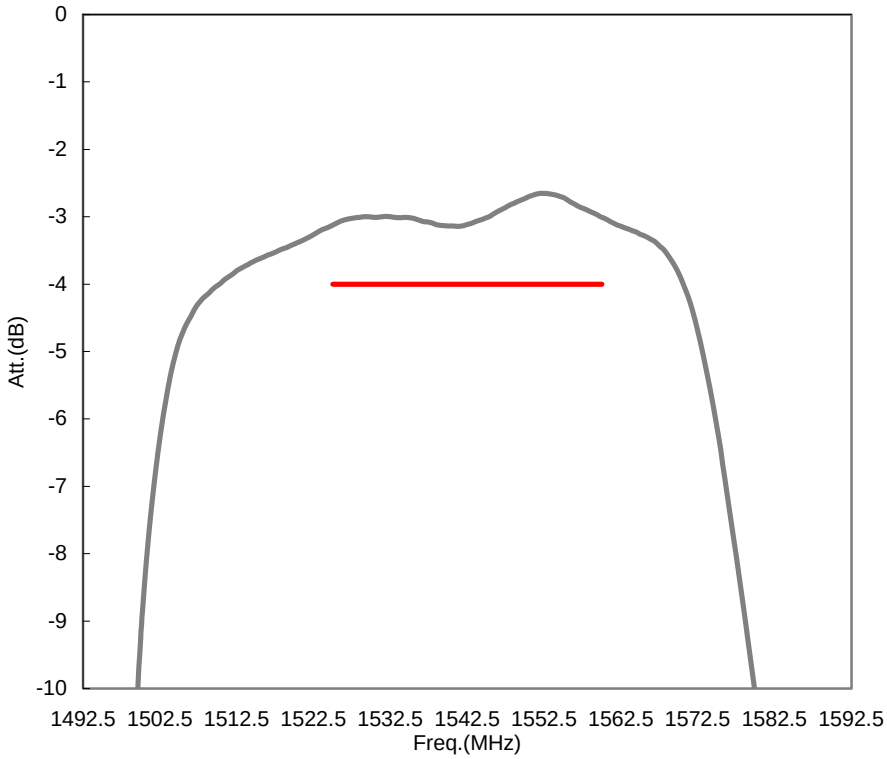
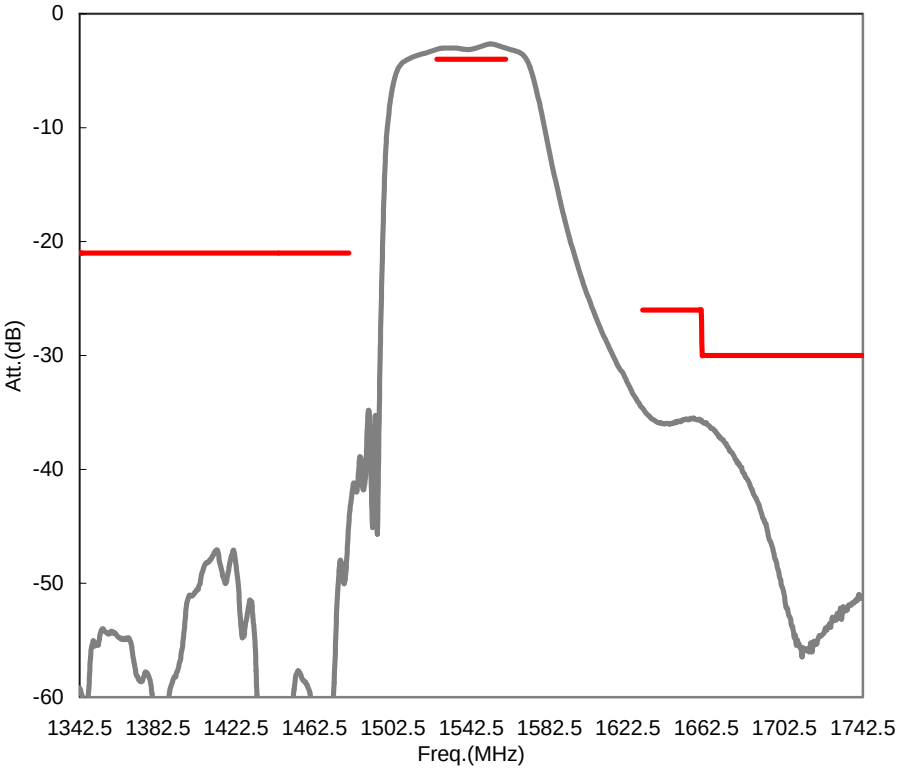
F. FREQUENCY CHARACTERISTICS:

1. Transfer function (25°C)





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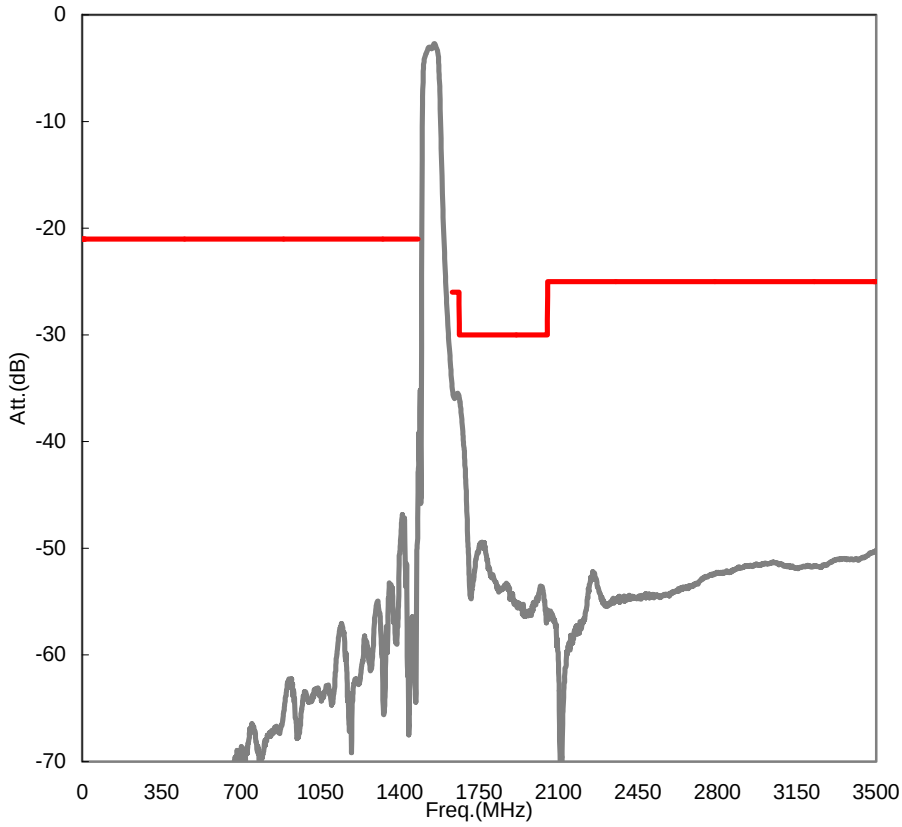
wideband



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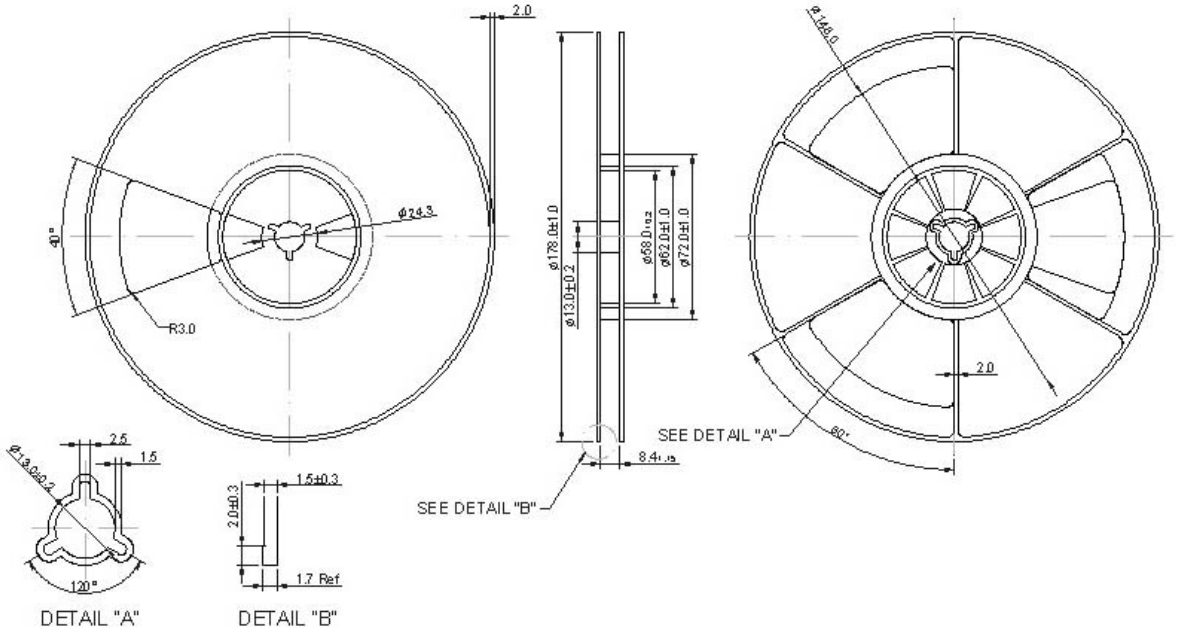
G. PACKING:

1. REEL DIMENSION



2. TAPE DIMENSION