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

Golledge Electronics Ltd
Ashwell Park, Ilminster
Somerset, TA19 9DX, UK

SAW Filter 479.50MHz (Two channel) — Model: TE0103A

Part No: **MA07470** REV. NO.: 1

A. MAXIMUM RATING:

1. AC Voltage Vac: 5V
2. Operating Temperature: -25°C to 85°C
3. Storage Temperature: -40°C to 85°C

B. ELECTRICAL CHARACTERISTICS OF CHANNEL 1:

Item	Unit	Min.	Type.	Max.
Center frequency, **Fc**	MHz	-	479.5	-
Insertion Loss, **IL** at Fc	dB	-	21.8	23.5
Passband width, **BW3**	MHz	26	27	28
Amplitude Ripple in Fc±8.5MHz	dB	-	0.6	1.0
Group delay ripple in Fc±13.5MHz	nS	-	18	28
Attenuation:(Reference level from IL)				
Fc –13.5MHz	dB	-	3.2	4.5
Fc +13.5MHz	dB	-	2.4	4.5
Fc -50 to –27.5MHz	dB	36	43	-
Fc +27.5 to +50MHz	dB	34	42	-
Temperature coefficient of frequency	ppm/°C	-	-86	-

C. ELECTRICAL CHARACTERISTICS OF CHANNEL 2:

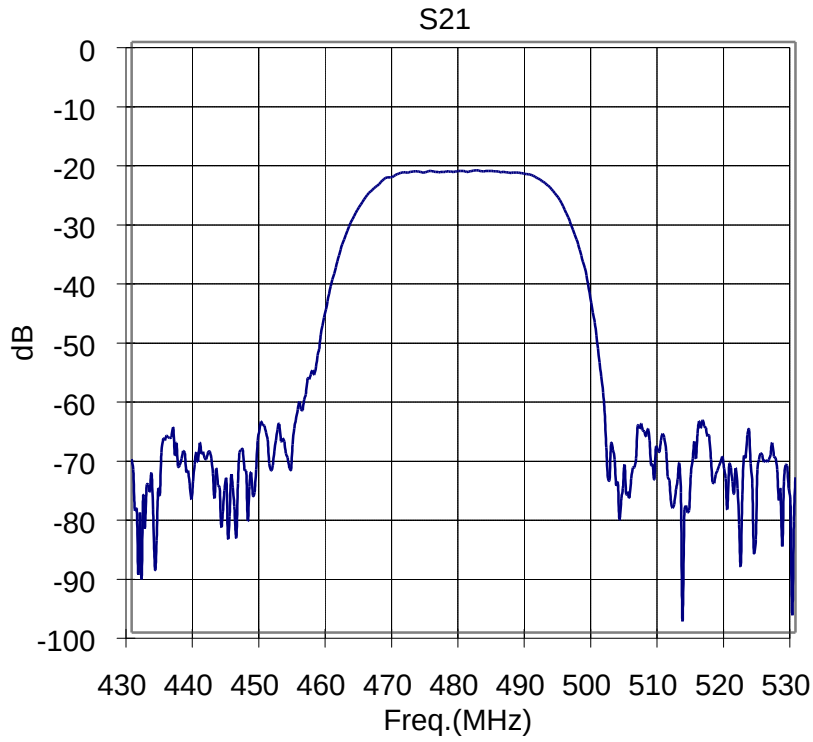
Item	Unit	Min.	Type.	Max.
Center frequency, **Fc**	MHz	-	479.5	-
Insertion Loss, **IL** at Fc	dB	-	21.4	23
Passband width, **BW3**	MHz	17	18	19
Amplitude Ripple in Fc±3.5MHz	dB	-	0.4	0.8
Group delay ripple in Fc±9MHz	nS	-	12	22
Attenuation:(Reference level from IL)				
Fc –9MHz	dB	-	3.5	4.5
Fc +9MHz	dB	-	2.5	4.5
Fc -50 to –22MHz	dB	36	44	-
Fc +21 to +50MHz	dB	34	42	-
Temperature coefficient of frequency	ppm/°C	-	-86	-

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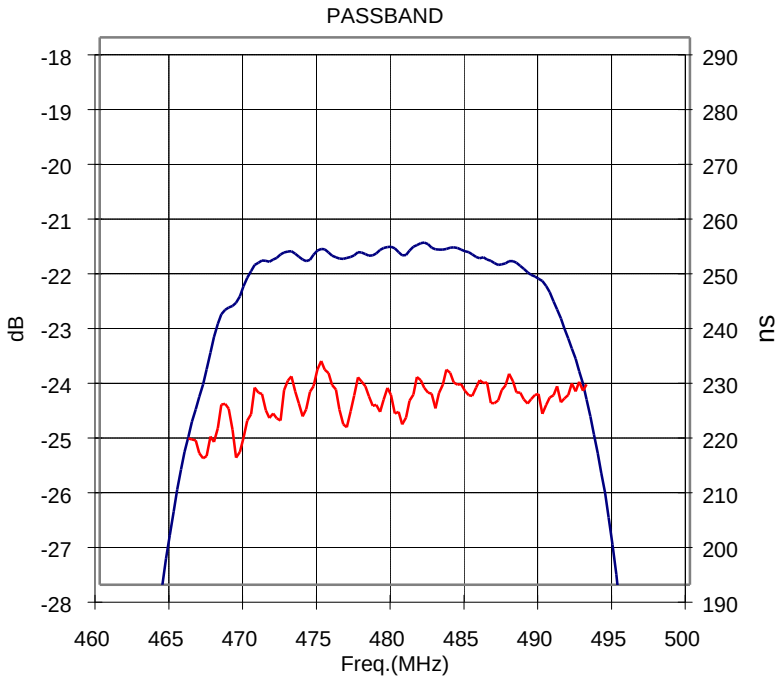
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D.FREQUENCY CHARACTERISTICS OF CHANNEL 1:

(1) Frequency Response:



(2)Amplitude ripple & Group Delay:

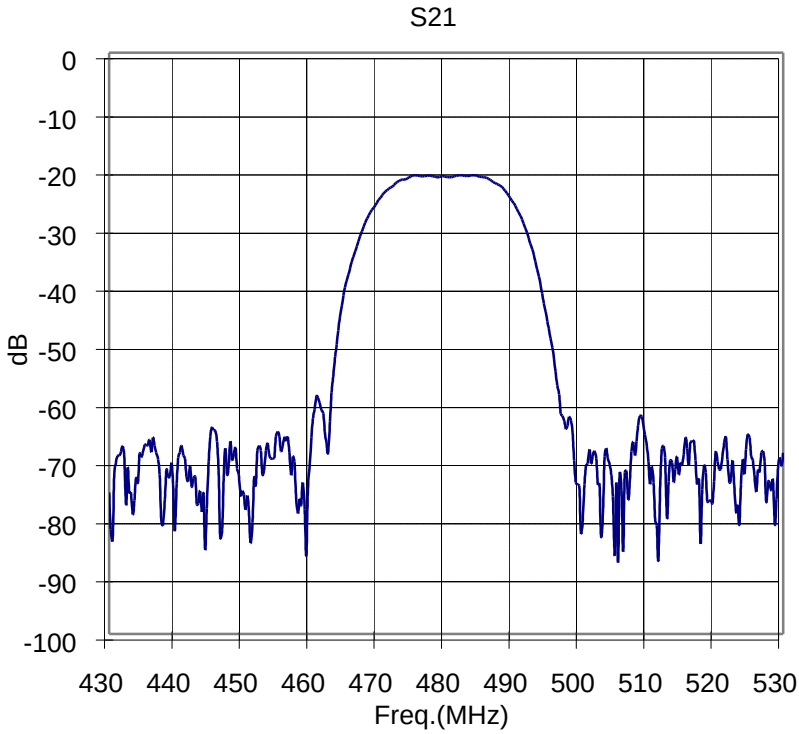


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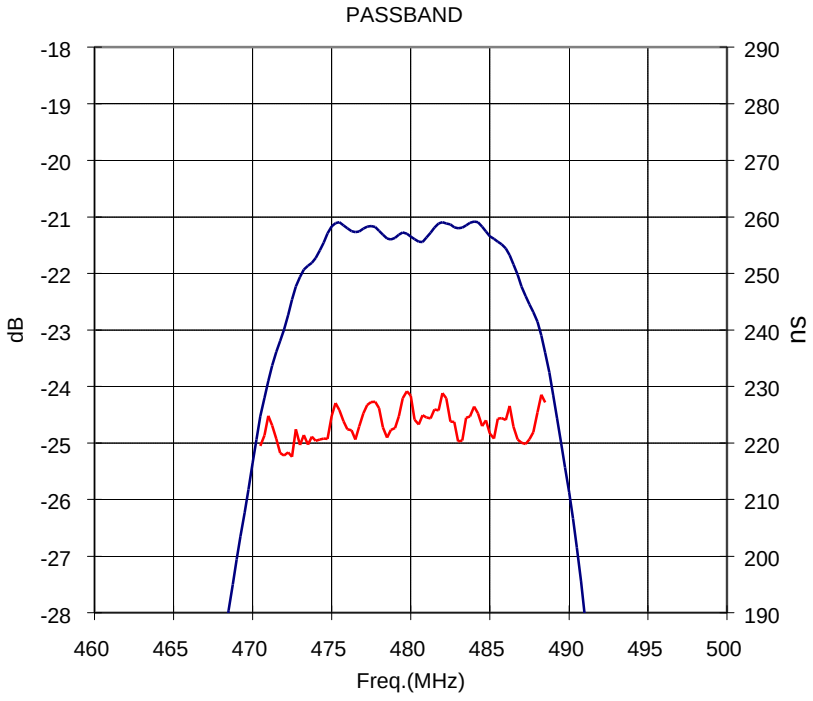
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E. FREQUENCY CHARACTERISTICS OF CHANNEL 2:

(1) Frequency Response:



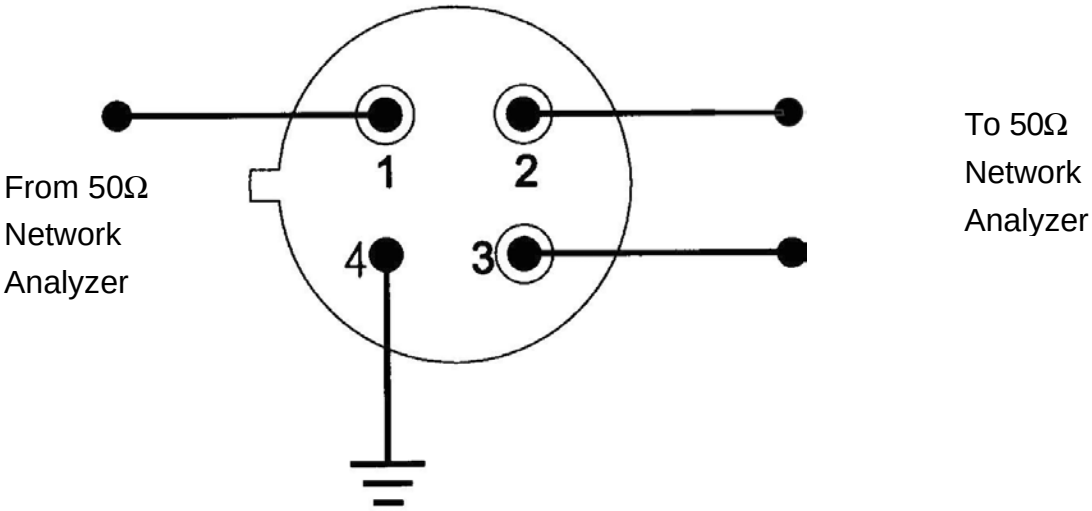
(2) Amplitude ripple & Group Delay:



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F. MEASUREMENT CIRCUIT:



G. OUTLINE DRAWING:

