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

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

SAW Filter 1960MHz — Model: TA0175A
Part No: MA05679 — Rev No: 2

A. MAXIMUM RATING:

1. Input Power Level: 10dBm
2. DC voltage: 0V
3. Operating Temperature: -30℃ to +80℃
4. Storage Temperature: -40℃ to +85℃

B. ELECTRICAL CHARACTERISTICS:

Item	Min.	Typ.	Max.
Center frequency Fc (dB)	-	1960	-
Insertion loss within 1930 ~ 1990MHz IL (dB)	-	2.35	4
Amplitude ripple (p-p) within 1930 ~ 1990MHz (dB)	-	1.4	2.4
Attenuation (Reference level from 0dB)			
DC ~ 1850MHz (dB)	20.0	32.0	-
1850 ~ 1910MHz (dB)	10.0	21.0	-
2010 ~ 2040MHz (dB)	4.5	10.0	-
2040 ~ 2070MHz (dB)	20.0	50.0	-
2070 ~ 5000MHz (dB)	22.0	29.0	-
VSWR within 1930 ~ 1990MHz	-	1.7	2.4
Source impedance Z_S (Ω)	-	50	-
Load impedance Z_L (Ω)	-	50	-

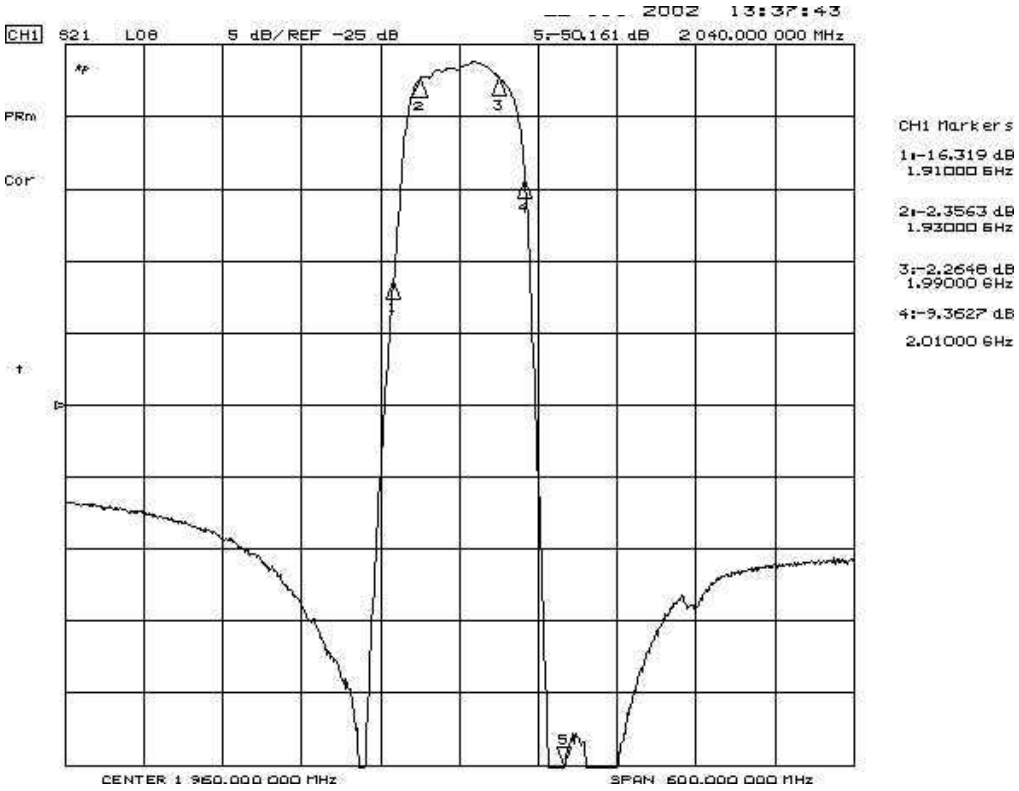
Note. No matching network required for operation at 50Ω

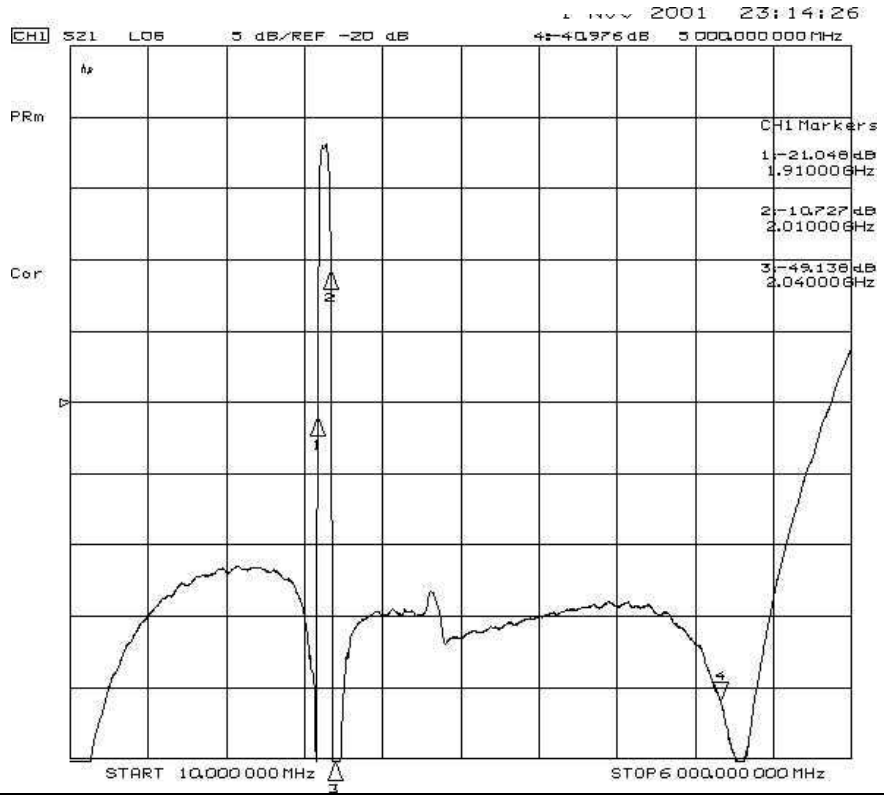
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C. FREQUENCY CHARACTERISTICS:

Transfer function





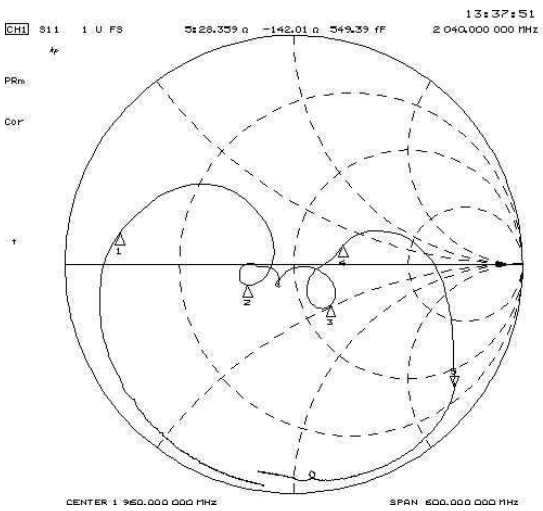
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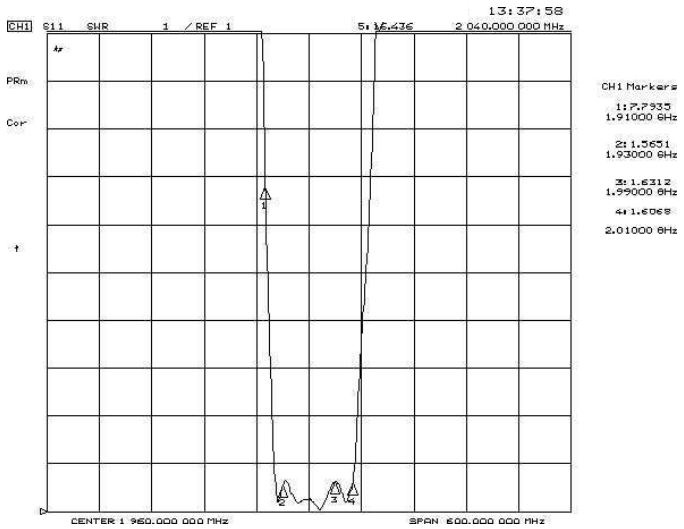
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Part No: MA05679 — Rev No: 2

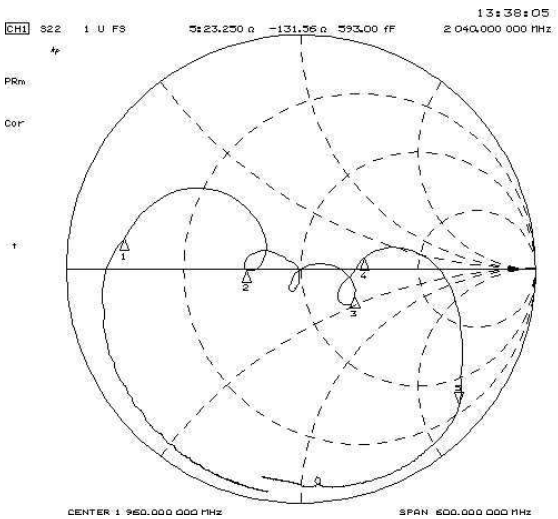
Reflections Functions

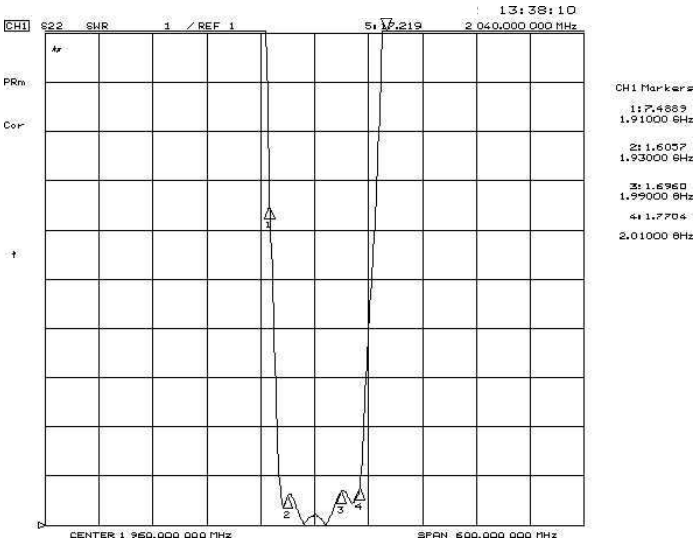
S11 VSWR





S22 VSWR

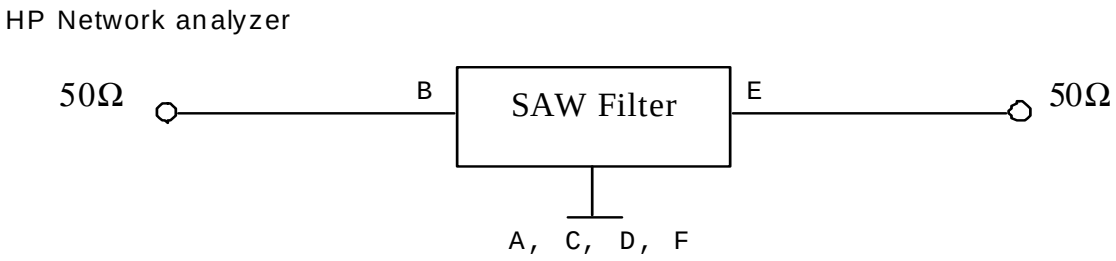




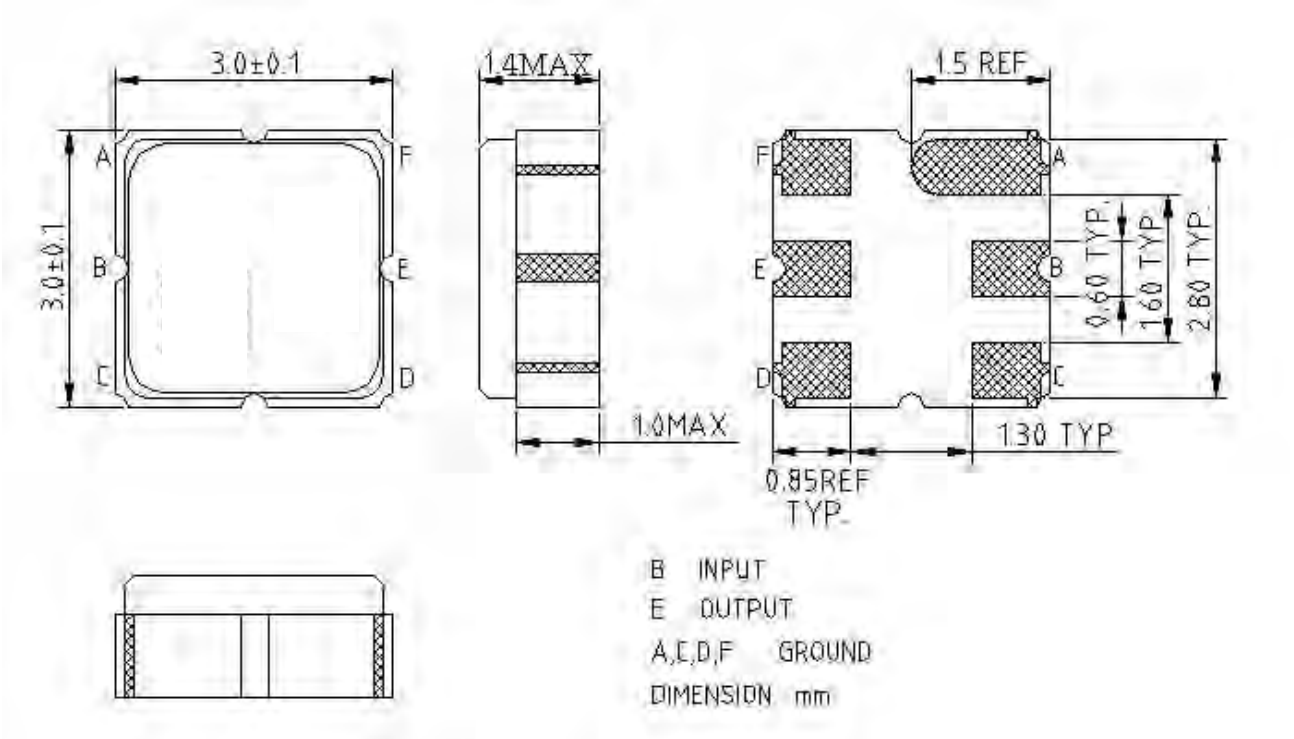
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D. MEASUREMENT CIRCUIT:



E. OUTLINE DRAWING:

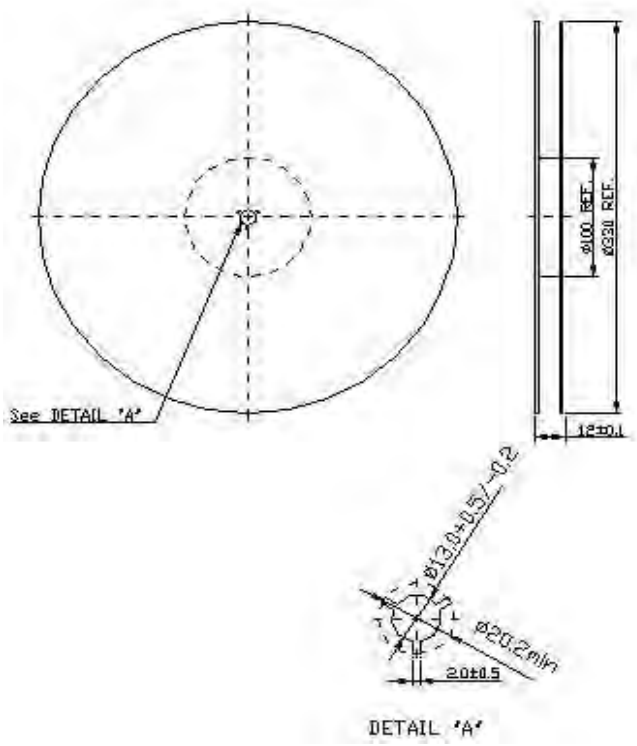


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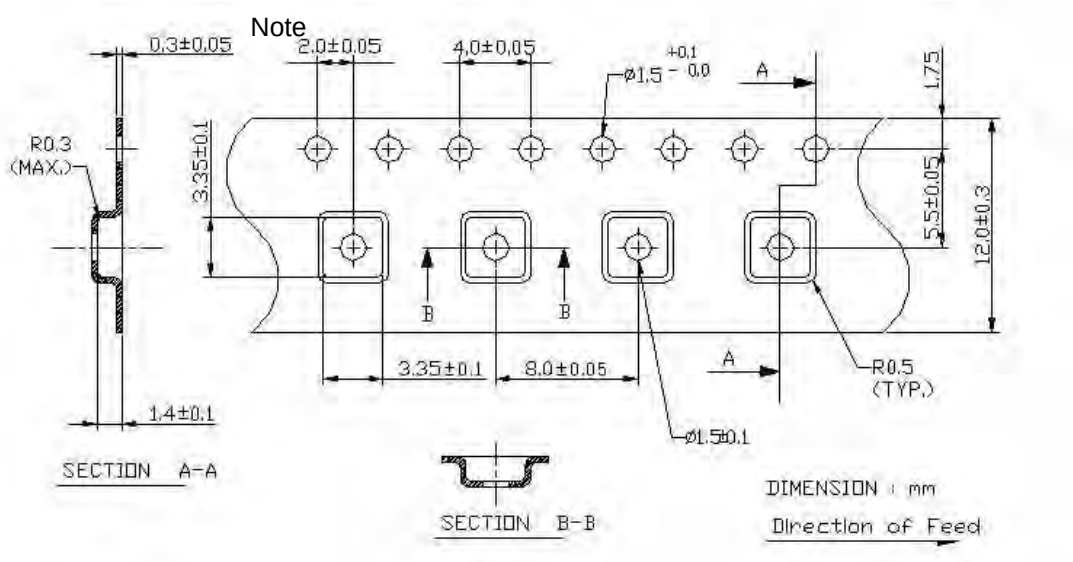
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F. PACKING:

1. REEL DIMENSION



2. TAPE DIMENSION



Note: Pocket position relative to sprocket hole measured as true position of pocket, not pocket hole.