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 915MHz **Model: TA0281A**
Part No: MA04499 **Rev No: 5**

A. MAXIMUM RATING:

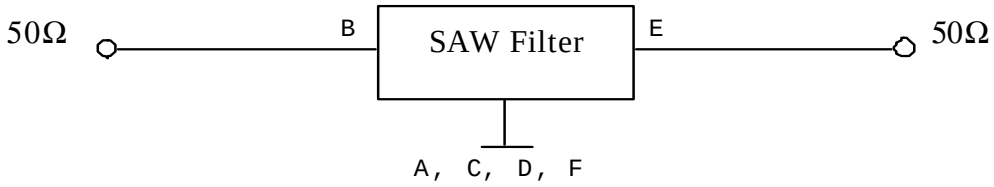
1. Input Power Level: 15dBm
2. DC voltage: 5V
3. Operating Temperature: -40℃ to +85℃
4. Storage Temperature: -40℃ to +85℃

B. ELECTRICAL CHARACTERISTICS:

Item	Unit	Min.	Typ.	Max.
Centre frequency Fc MHz	MHz	-	915	-
Insertion loss 902 ~ 928MHz IL (dB)	dB	-	2.2	3.5
Amplitude ripple 902 ~ 928MHz (dB)	dB	-	0.6	2.0
VSWR 902 ~ 928MHz	MHz	-	1.6	2.3
Attenuation (Reference level from 0dB)				
DC ~ 800MHz (dB)	dB	50	63	-
800 ~ 880MHz (dB)	dB	40	48	-
960 ~ 1080MHz (dB)	dB	32	39	-
1080 ~ 1500MHz (dB)	dB	45	65	-
1500 ~ 3000MHz (dB)	dB	22	28	-
Source impedance Z_S (Ω)	Ω	-	50	-
Load impedance Z_L (Ω)	Ω	-	50	-

Note: No matching network required for operation at 50Ω

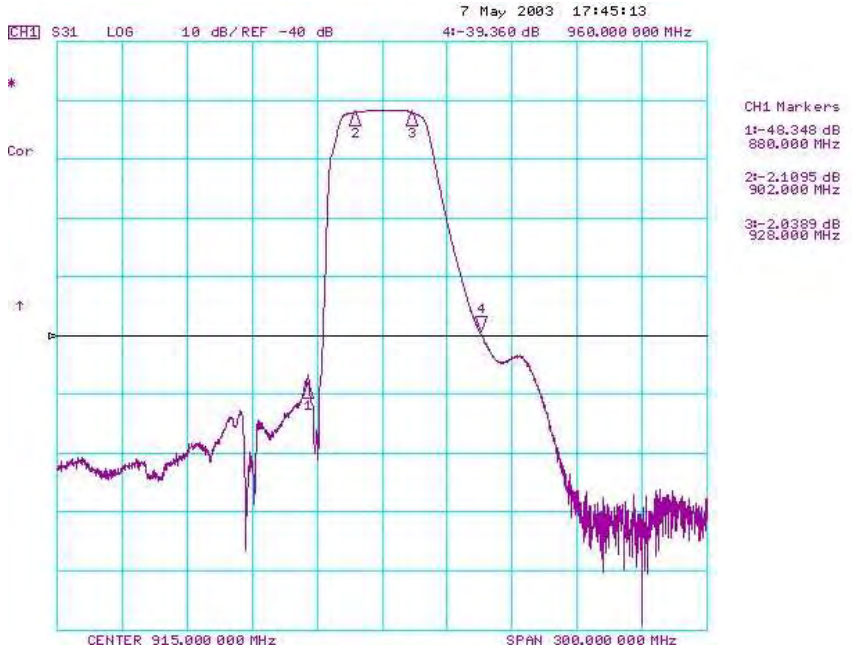
C. MEASUREMENT CIRCUIT:

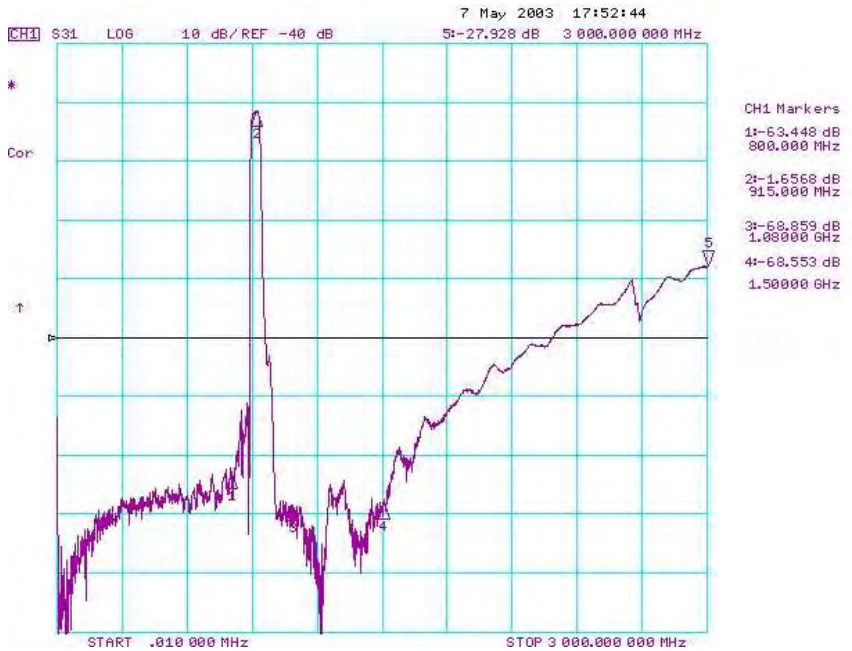


Tel: +44 1460 256 100
Fax: +44 1460 256 101
www.golledge.com

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

D. FREQUENCY CHARACTERISTICS:



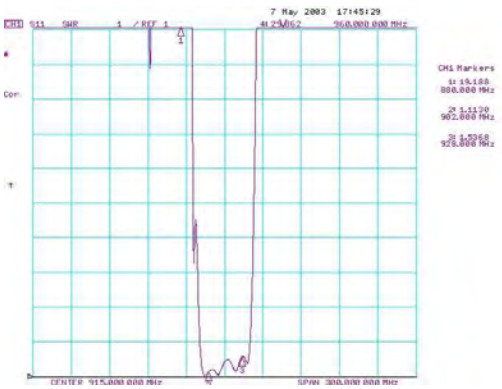


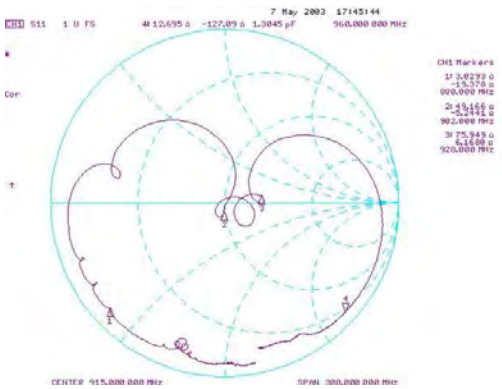
Tel: +44 1460 256 100
Fax: +44 1460 256 101
www.golledge.com

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

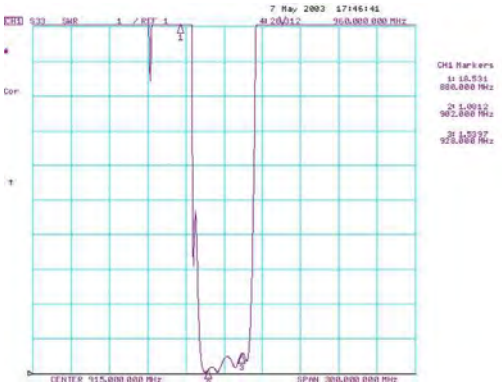
Reflections Functions

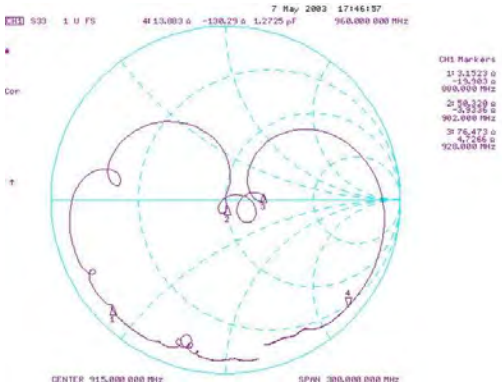
S11





S22

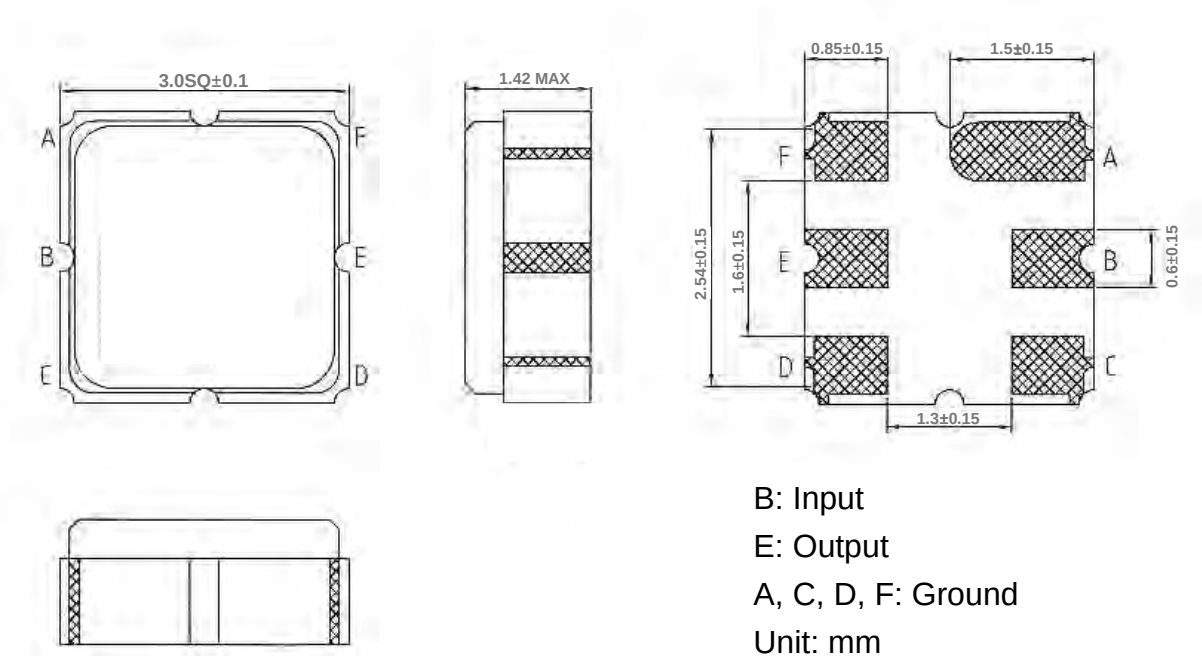




Tel: +44 1460 256 100
Fax: +44 1460 256 101
www.golledge.com

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

E. OUTLINE DRAWING:



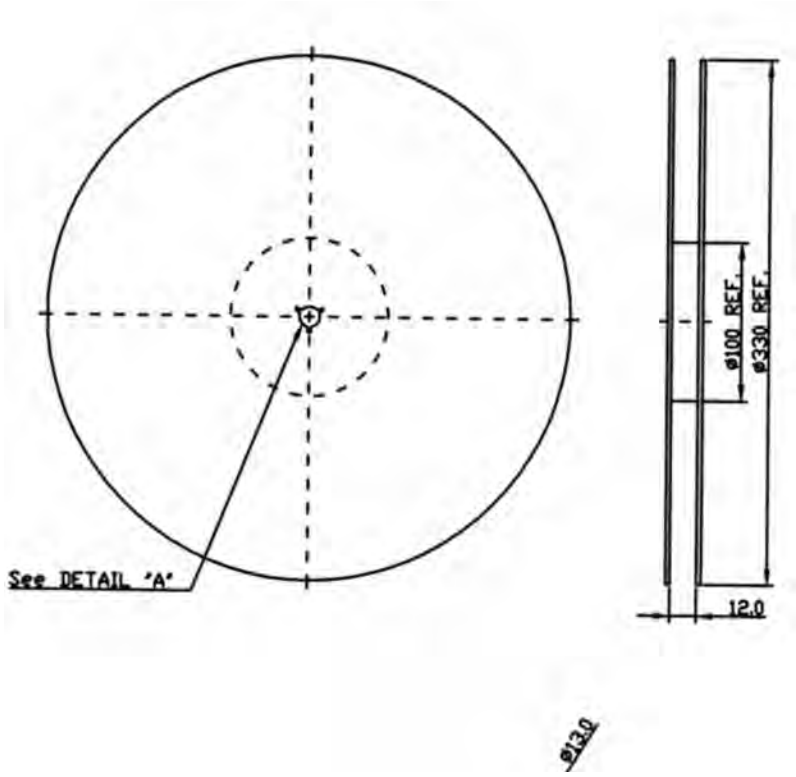
B: Input
E: Output
A, C, D, F: Ground
Unit: mm

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

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

F. PACKING:

1. REEL DIMENSION



2. TAPE DIMENSION

