

**SAW Filter 1842.50MHz**  
**Part No: MP02452**

**Model: TA0763A**  
**Rev No: 1**

**A. MAXIMUM RATING:**

1. Input Power Level: +20dBm
2. DC voltage: 0V
3. Operating Temperature: -30°C to +85°C
4. Storage Temperature: -40°C to +85°C

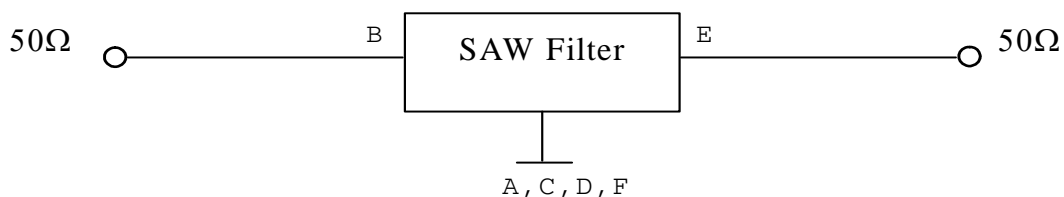
**B. ELECTRICAL CHARACTERISTICS:**

Item	Min.	Typ.	Max.
Center frequency Fc (dB)	-	1842.5	-
Insertion loss within 1805 ~ 1880MHz IL (dB)	-	2.2	3.8
Amplitude ripple (p-p) within 1805 ~ 1880MHz (dB)	-	1.3	2.3
Attenuation (Reference level from 0dB)			
DC ~ 1500MHz (dB)	20.0	24.5	-
1600 ~ 1710MHz (dB)	22.0	25.0	-
1710 ~ 1785MHz (dB)	10.0	23.5	-
1920 ~ 3120MHz (dB)	25.0	28.0	-
3120 ~ 4000MHz (dB)	17.0	30.0	-
VSWR within 1805 ~ 1880MHz	-	1.9	2.6
Source impedance Z <sub>S</sub> (Ω)	-	50	-
Load impedance Z <sub>L</sub> (Ω)	-	50	-

Note: No matching network required for operation at 50Ω

**C. MATCHING CIRCUIT:**

HP Network analyzer

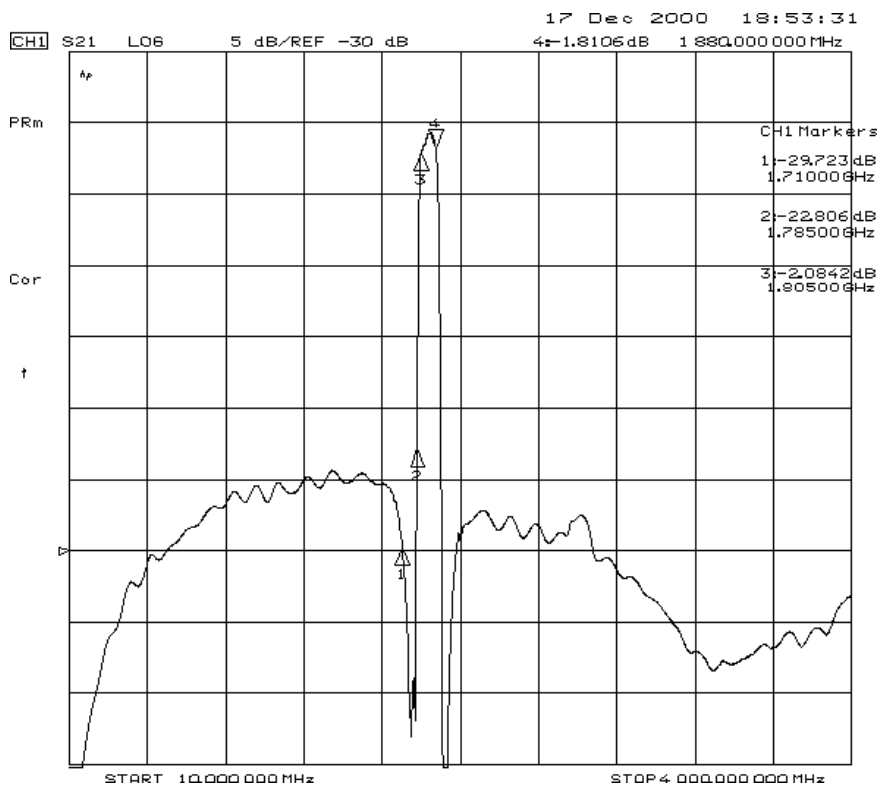


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**D. FREQUENCY CHARACTERISTICS:**

1. Transfer functions

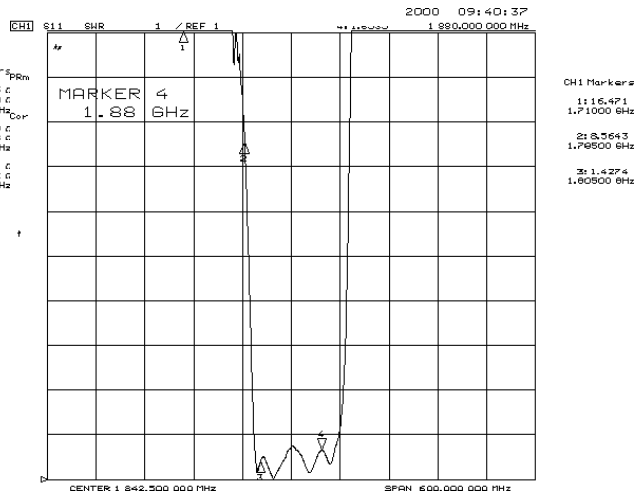
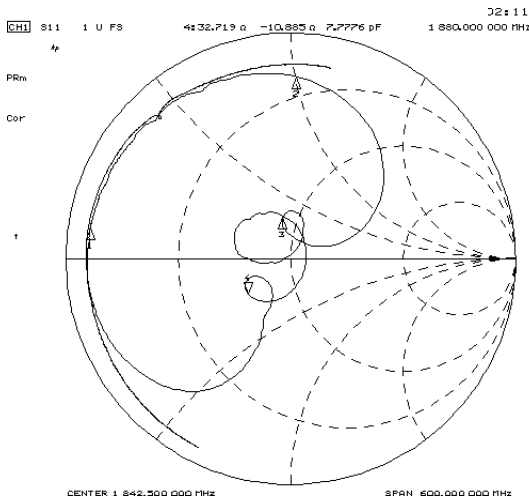


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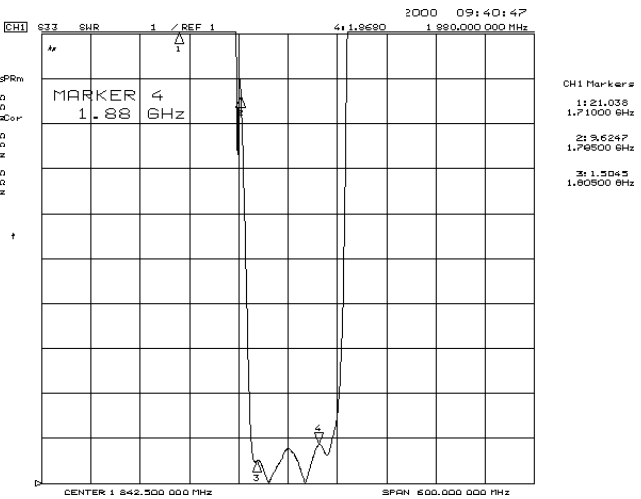
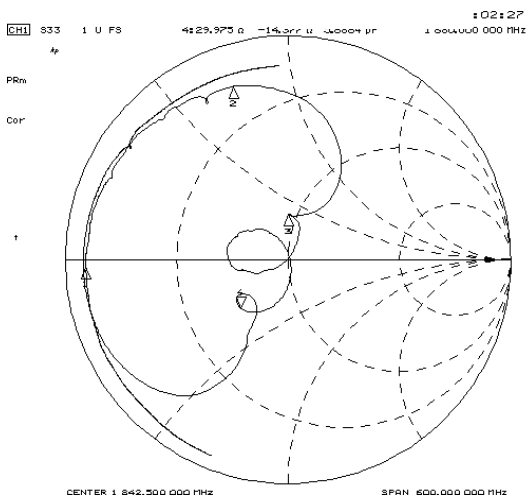
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2. Reflection Functions

S11 VSWR



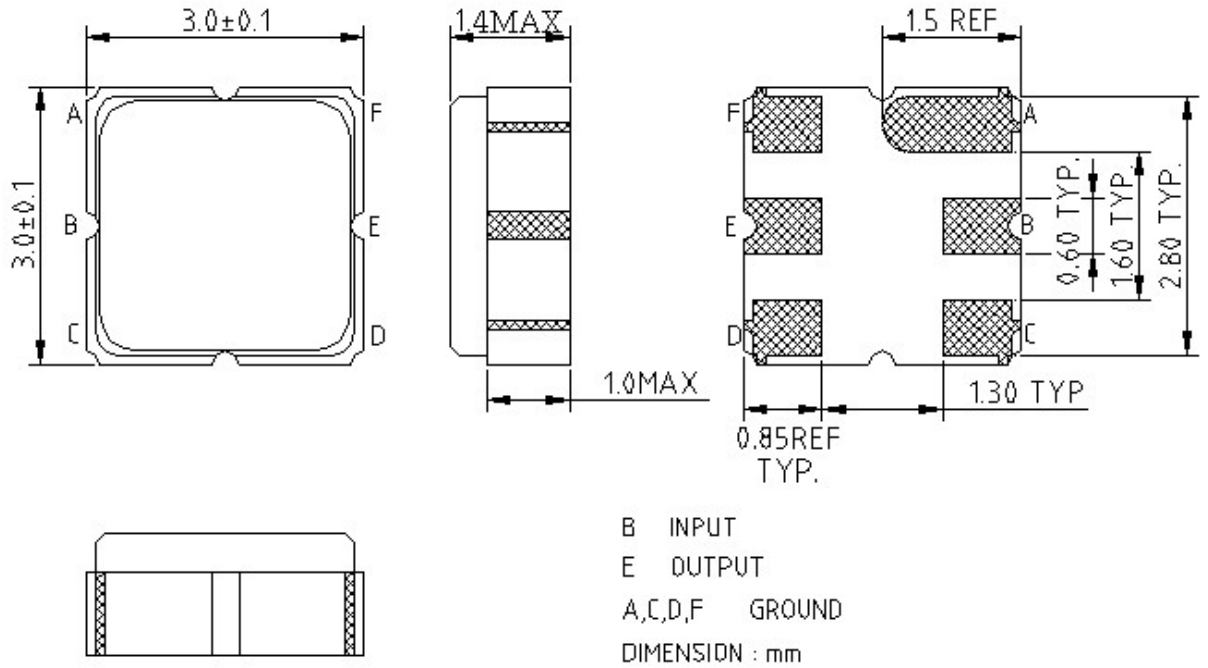
S22 VSWR



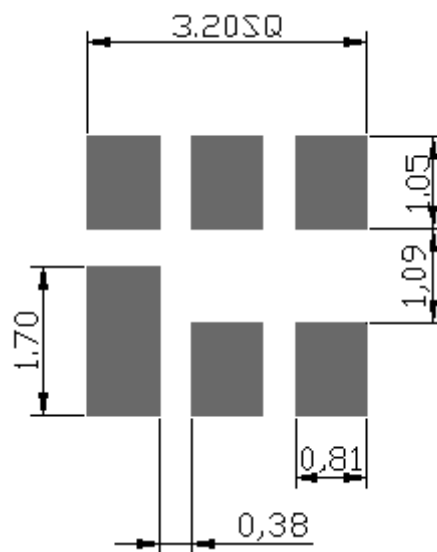
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**E. OUTLINE DRAWING:**



**F. PCB FOOTPRINT:**

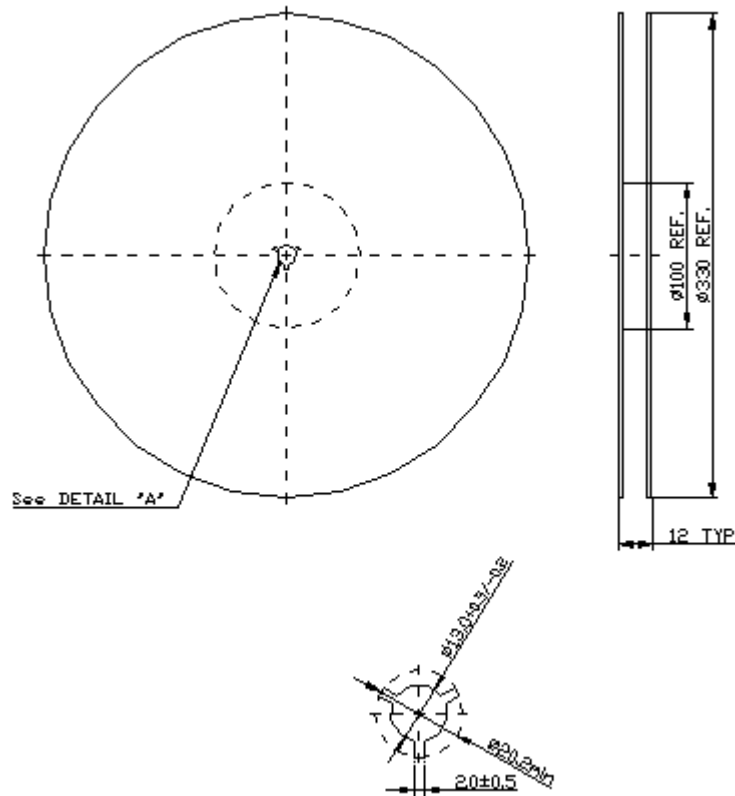


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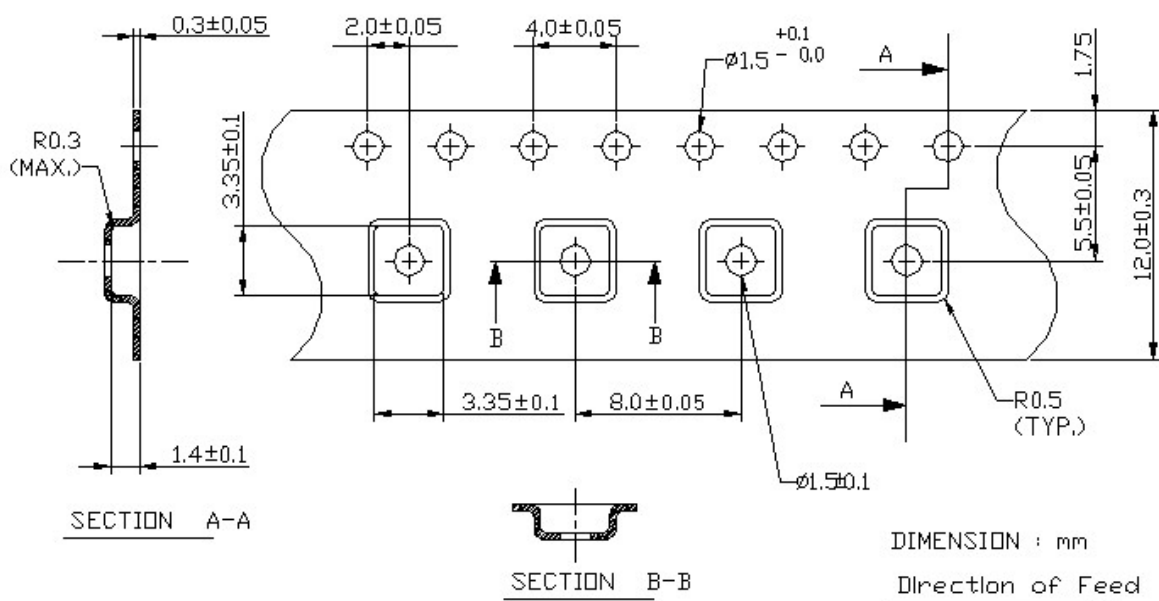
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**G. PACKING:**

1. Reel Dimension



2. Tape Dimension



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**H. RECOMMENDED REFLOW PROFILE:**

