

SAW Filter 1397.50MHz

Model: TA0718A

Part No: MP01333

Rev. No: 2

A. MAXIMUM RATING:

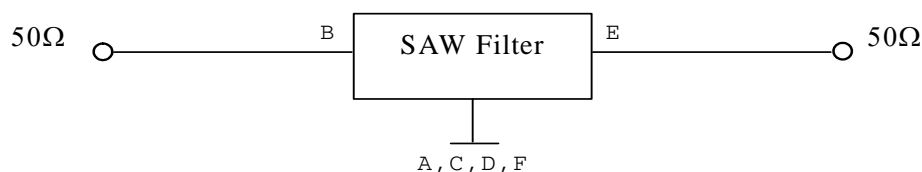
1. Input Power Level: 10dBm
2. DC Voltage: 3V
3. Operating Temperature: 0°C to +50°C
4. Storage Temperature: -40°C to +85°C

B. ELECTRICAL CHARACTERISTICS:

Item	Unit	Min.	Typ.	Max.	Note
Center Frequency Fc	MHz	-	1397.5	-	-
Insertion Loss (1395 ~ 1400MHz) IL	dB	-	2.7	3.6	-
Amplitude Ripple (1395 ~ 1400MHz)	dB	-	0.2	1	-
VSWR (1395 ~ 1400MHz)		-	1.4	2	-
Attenuation (Reference level from 0dB)					
DC ~ 1340MHz	dB	40	49	-	-
1427 ~ 1432MHz	dB	8	15	-	-
1450 ~ 1480MHz	dB	30	42.5	-	-
1480 ~ 1523MHz	dB	40	49.5	-	-
1523 ~ 1578MHz	dB	45	48	-	-
1578 ~ 2000MHz	dB	40	46	-	-
2000 ~ 3000MHz	dB	35	41	-	-
3000 ~ 4000MHz	dB	20	23	-	-

C. MEASUREMENT CIRCUIT:

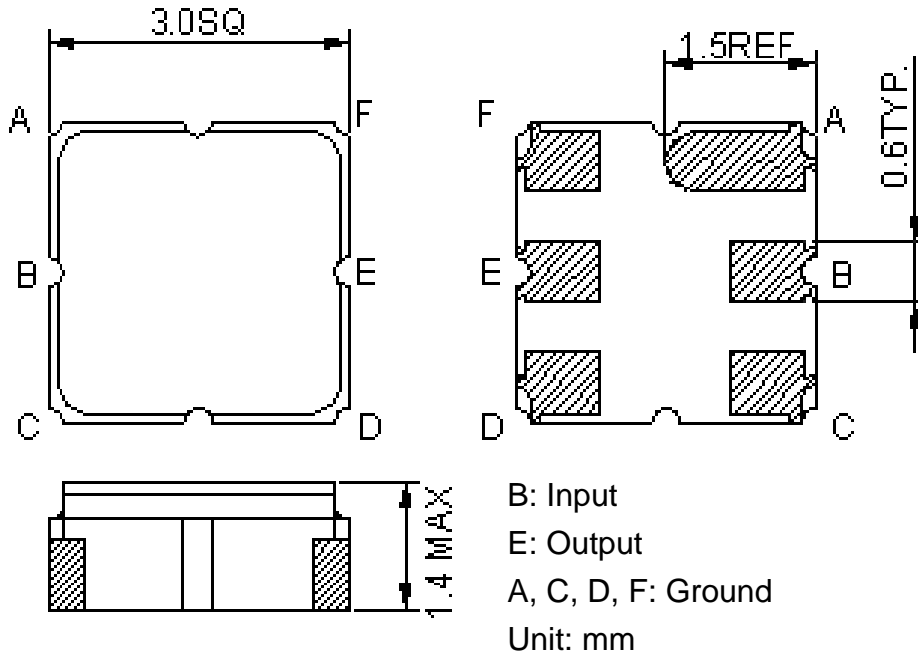
HP Network analyzer



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D. OUTLINE DRAWING:



Note:

The base material is ceramic with Au over Ni plating.

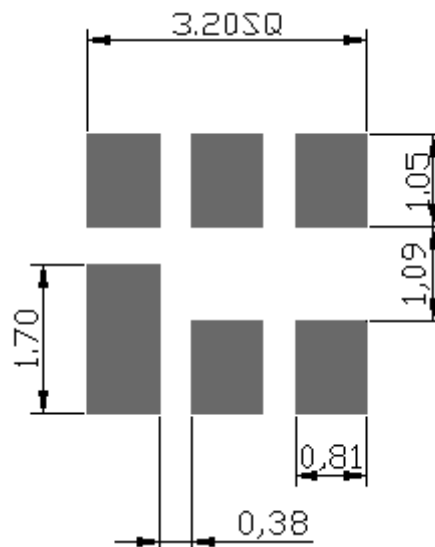
The plating thicknesses are:

Electro Ni 1.27 ~ 8.89µm.

Electro Au 0.3 ~ 1.0µm (solder pads only).

0.3µm Min. (Others)

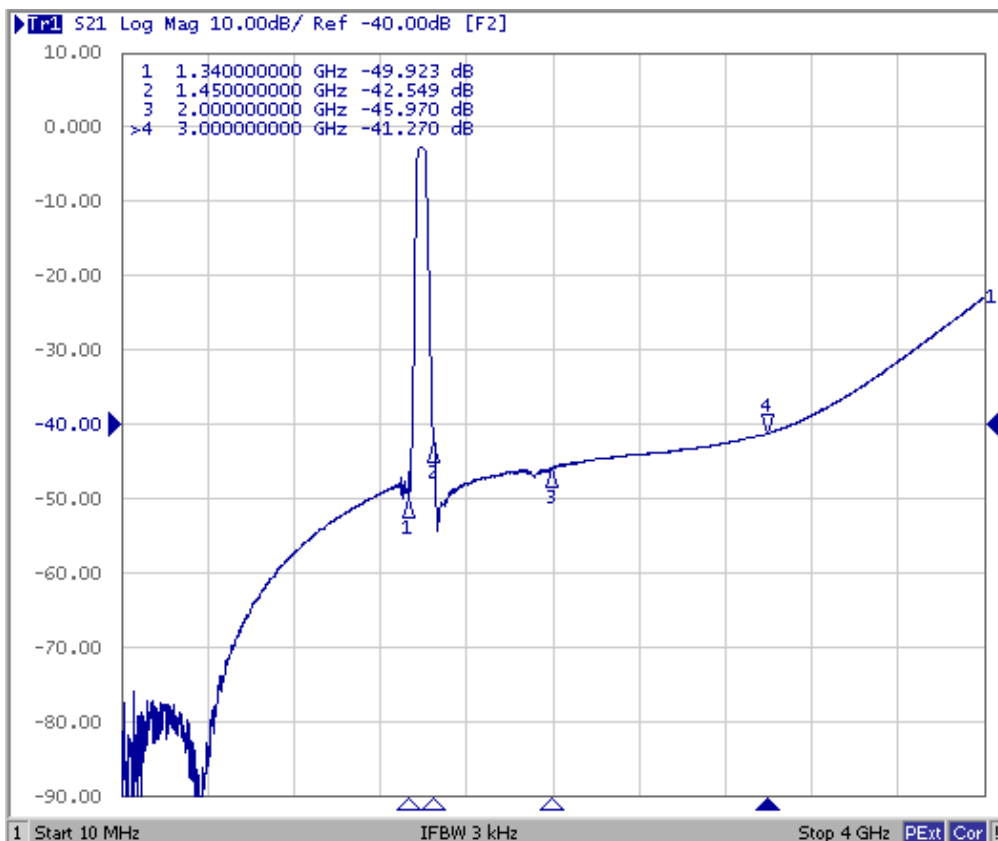
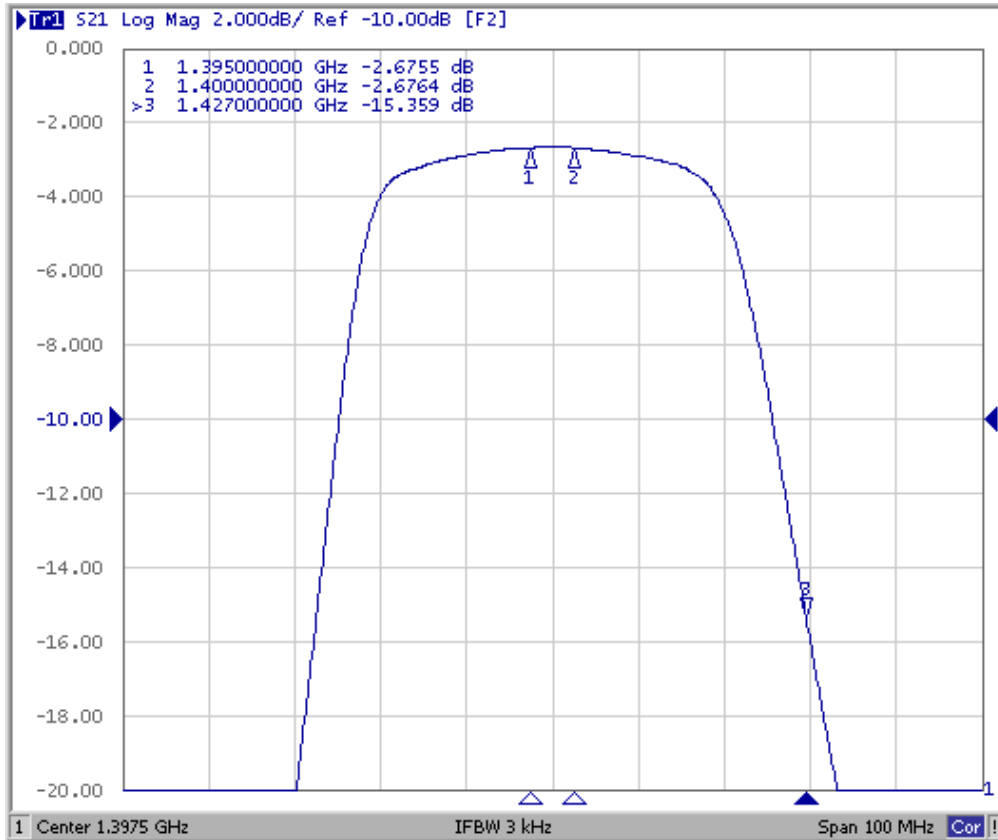
E. PCB FOOTPRINT:



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F. FREQUENCY CHARACTERISTICS:

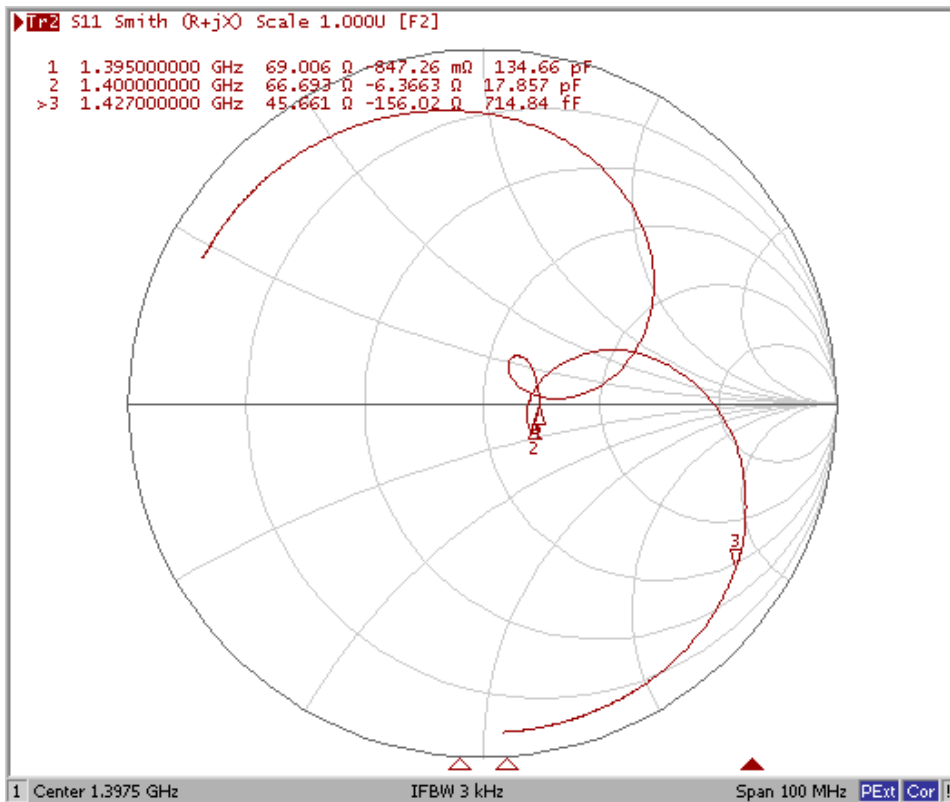
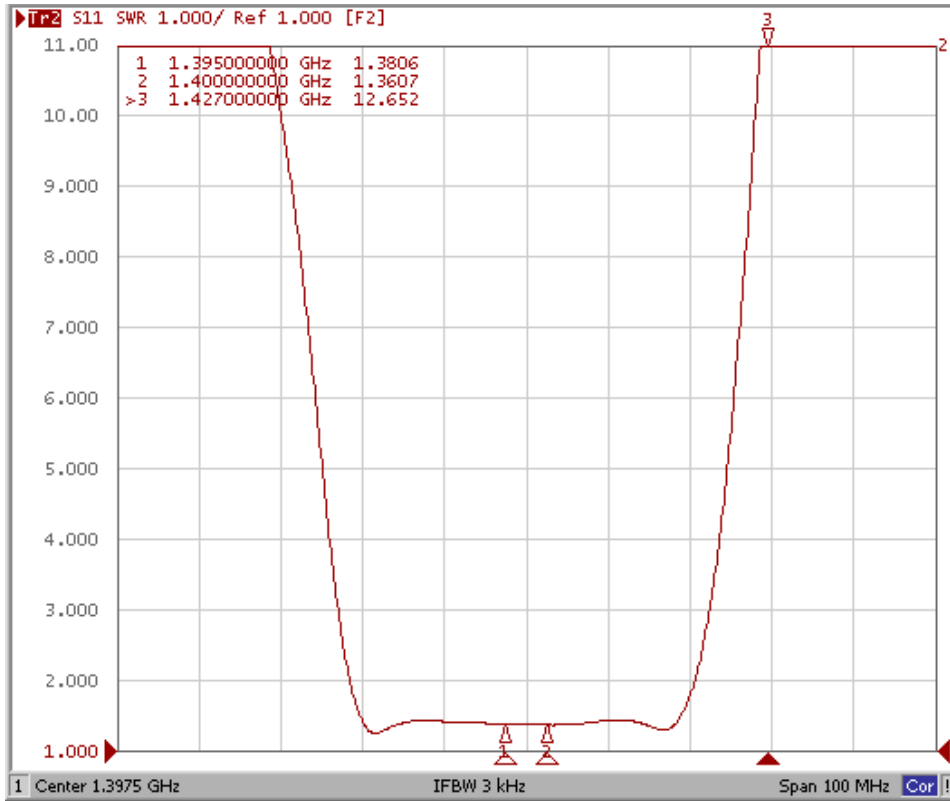


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Reflection Functions

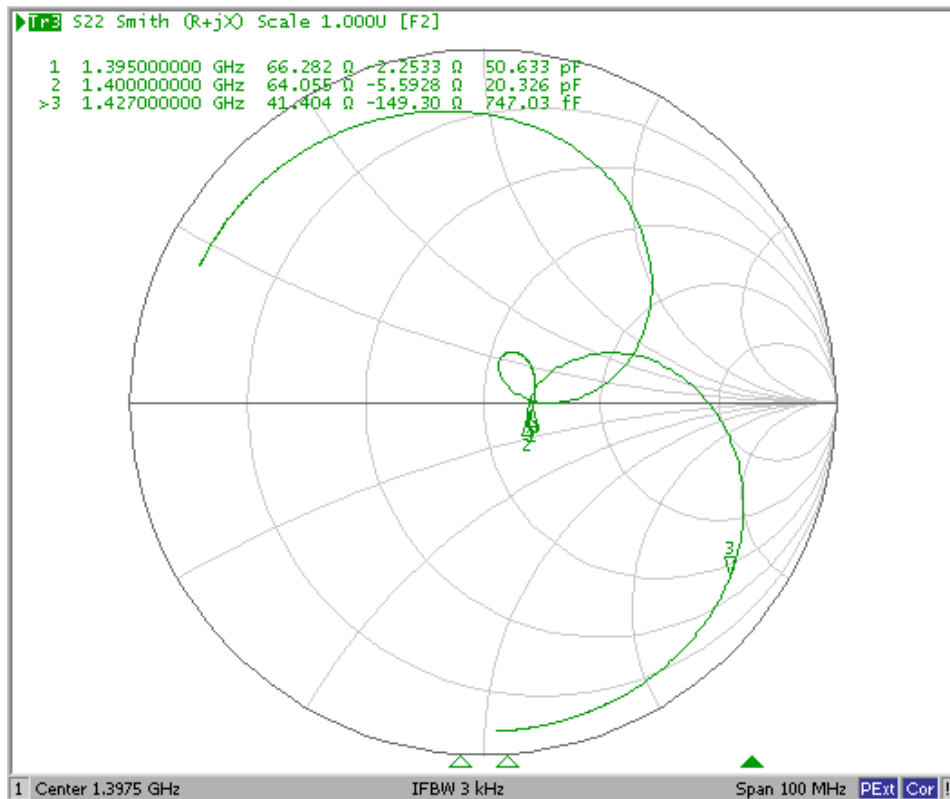
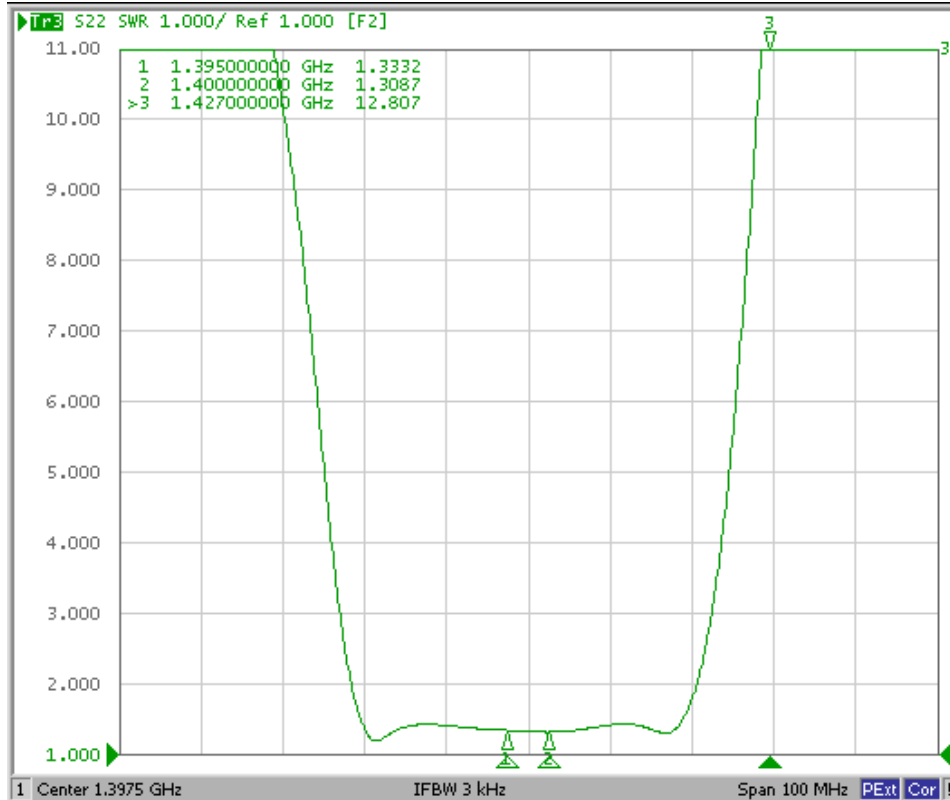
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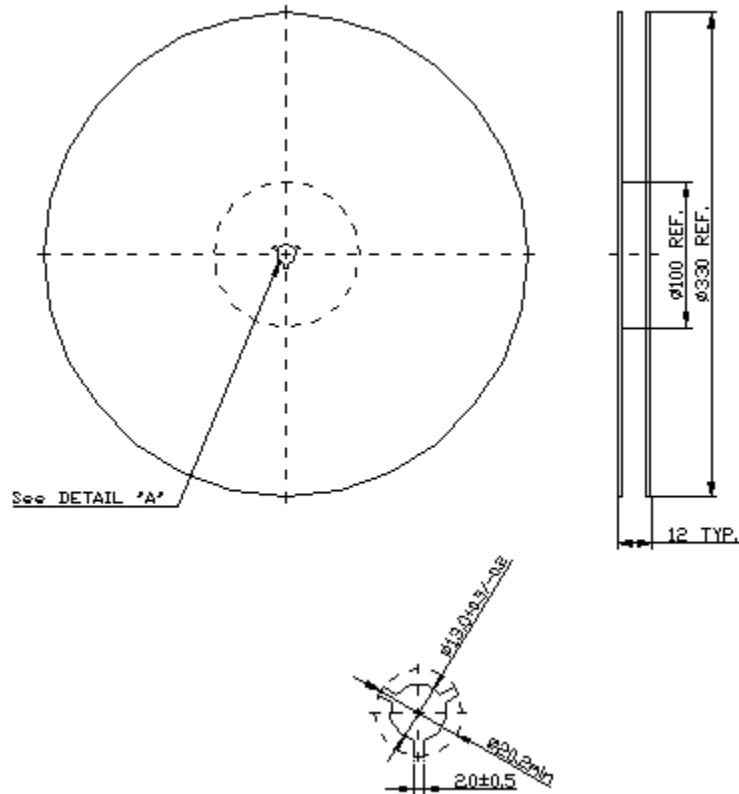


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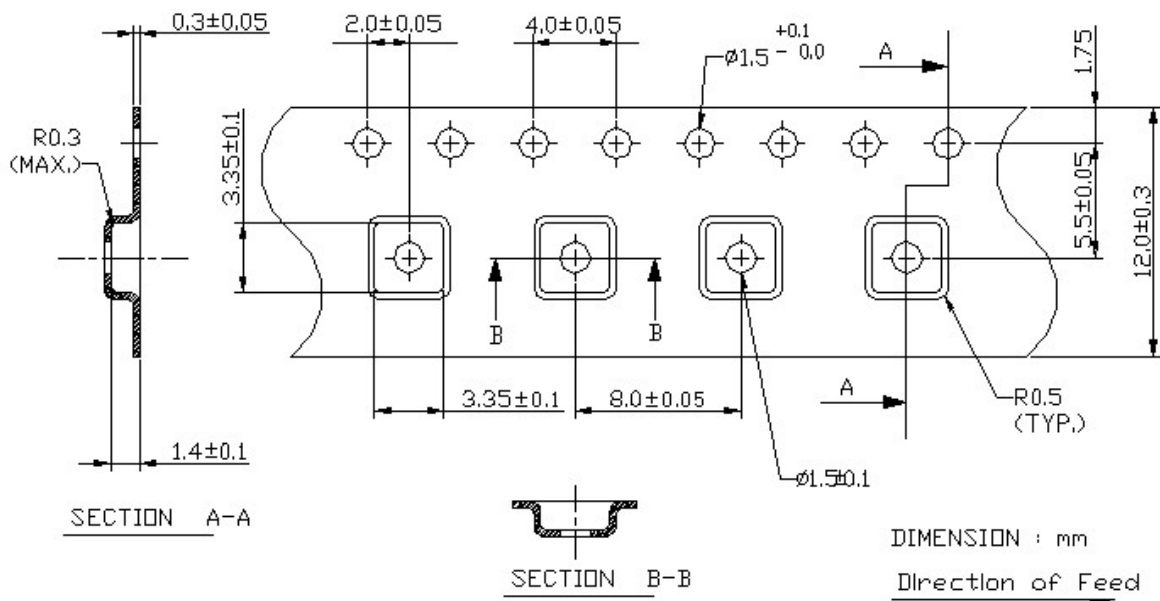
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G. PACKING:

1. Reel Dimension (Reel Count: 7" = 1000; 13" = 3000)



2. Tape Dimension



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H. RECOMMENDED REFLOW PROFILE:

