AVS 69 abstract - Illustrations

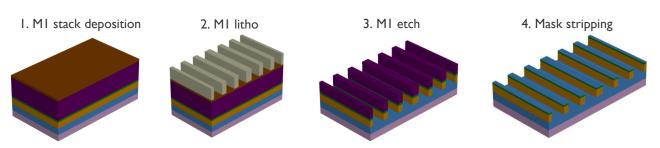
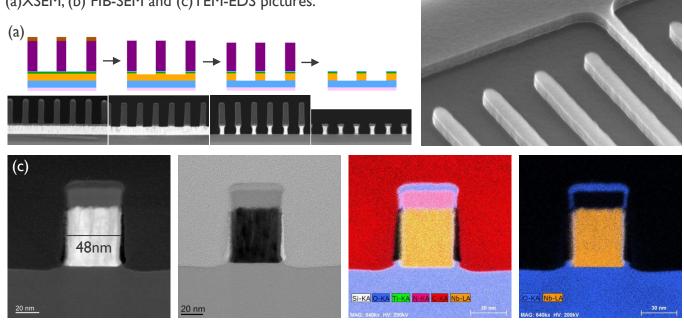


Figure I: Level-I metal (MI) BEOL integration scheme.

Figure 2: Examples of inspections for M1 etch development : (a)XSEM, (b) FIB-SEM and (c)TEM-EDS pictures.



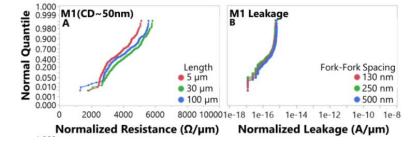


Figure 3: (a) Normalized room temp resistance of MI $Nb_xTi_{(1-x)}N$ lines with 50nm CD. (b) Leakage measurement of MI Fork-Fork structures with 130, 250 and 500nm Fork-Fork spacing.

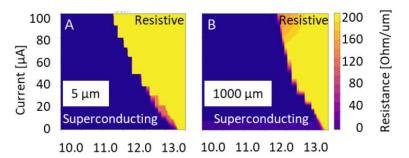


Figure 4 : Shmoo plots showing Tc and critical current for $Nb_xTi_{(1-x)}N$ lines with 50nm CD and (a) 5 and (b) 1000 μm in length.