



# HTS BSCCO COSTS

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## Cost bases for estimate

- ◆ Silver \$154/kg 50 %

Note variability of base cost

- ◆ BSCCO \$2/kg 50 %

- ◆ Labor \$0.4/m of 0.3x2 mm tape

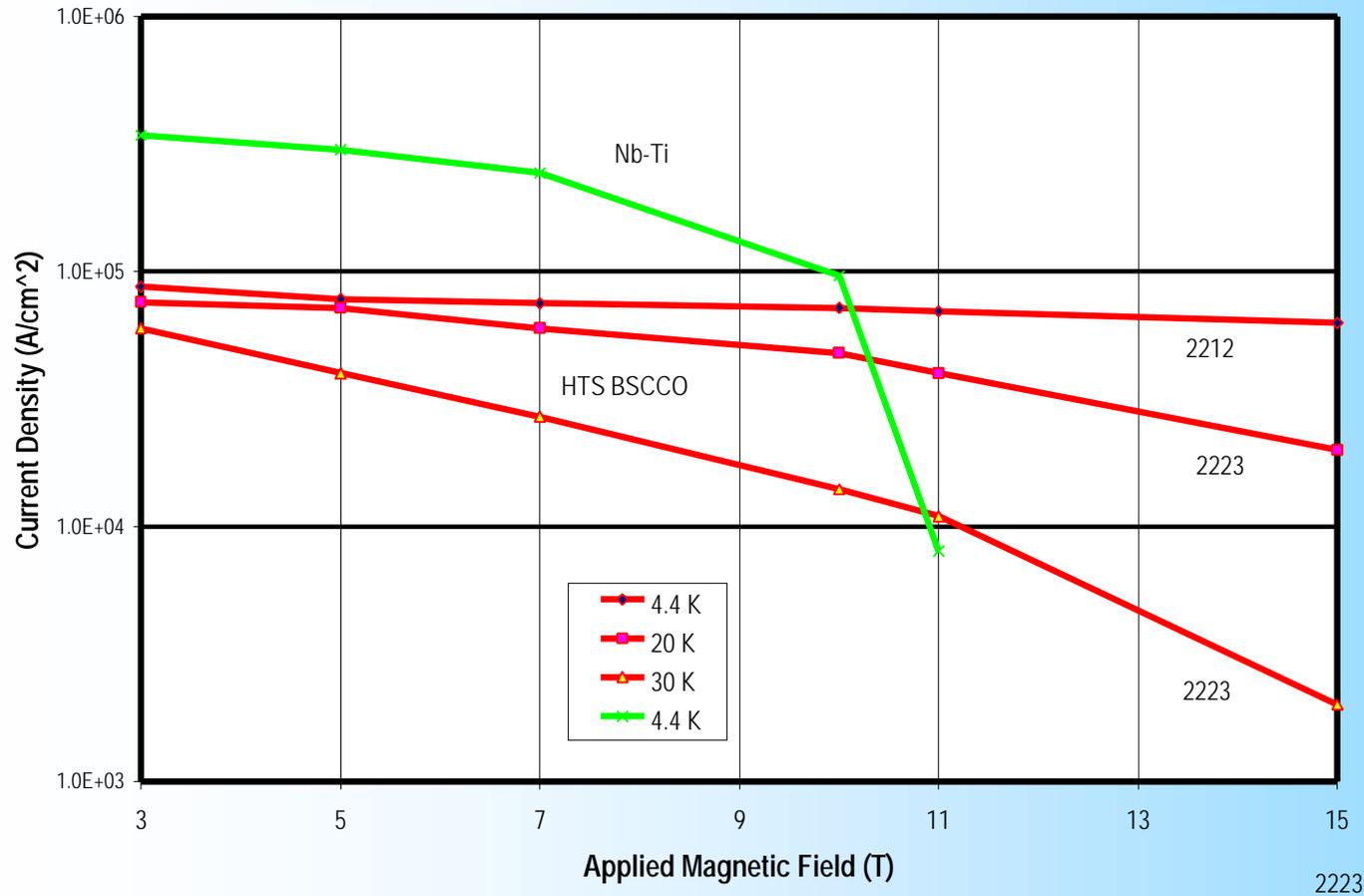
Based on future, large-scale production

- ◆ Obtain Cost in \$1.64M/m<sup>3</sup>

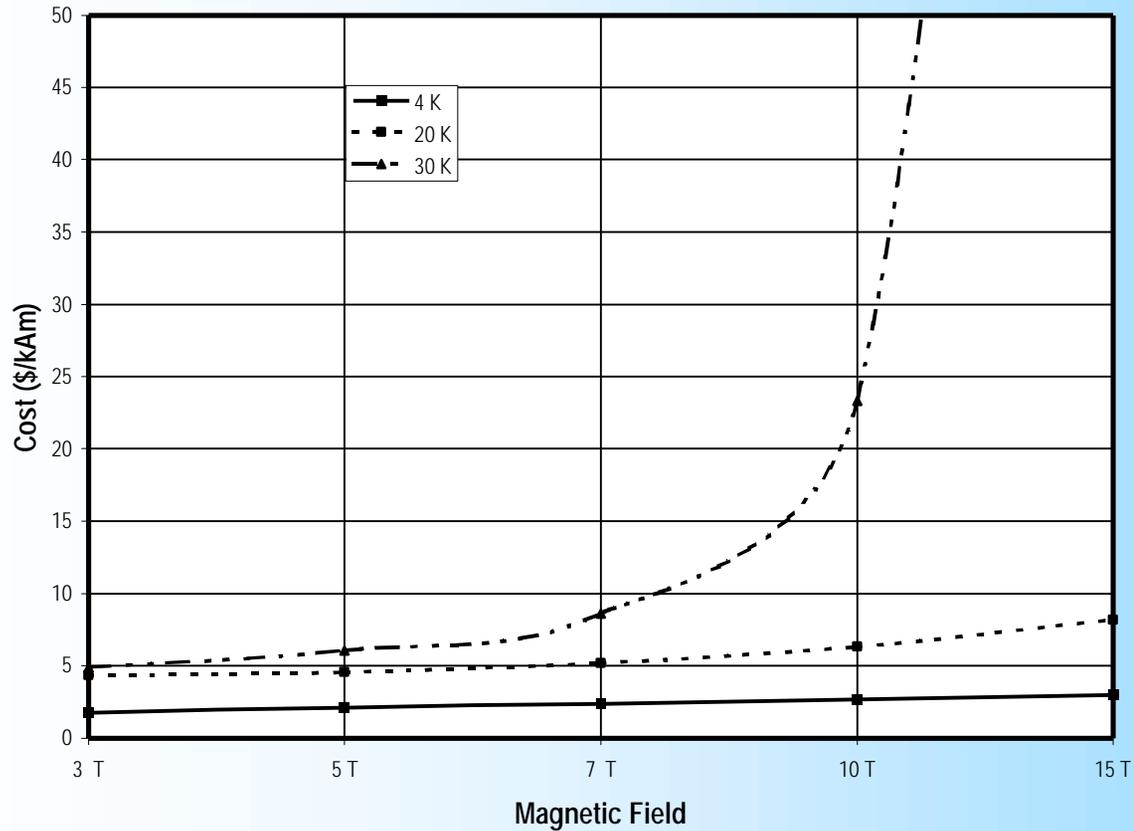
- ◆ Convert to Cost in (\$/kAm)



# HTS-BSCCO $J_c$



# BSCCO Costs



# Comments

- ◆ Need to improve BSCCO production yield and conductor length/performance
- ◆ Need data on strain effects
- ◆ Need to adjust  $J_c$  for field orientation
- ◆ Operating current densities are a complicated function of  $J_c$

