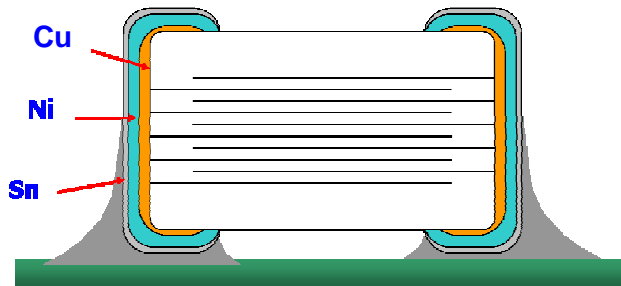


Material Composition for X5R/X6S/X7R/X7S/X8R Capacitor

X5R/X6S/X7R/X7S/X8R Dielectric			
Chemical Name	CAS #	Location	% by Weight
Barium Titanate (BaTiO ₃)	12047-27-7	Ceramic	85.92
Copper (Cu)	1317-39-1	Termination	4.67
Nickel (Ni)	7440-02-0	Electrode/Plating	6.24
Tin (Sn)	7440-31-5	Plating	1.39
Calcium Oxide (CaO)	1305-78-8	Ceramic	1.78

AVX Termination Composition and Thickness



- Base Metallization (Cu): >25 um
- Nickel Barrier Layer: >2 um
- 100% Sn Outer Terminal: >5 um

Dean Beckley
 Director –Technical Applications
 September 9, 2008