

VHT (Very High Temperature), this is our high temperature X7R dielectric because it meets  $\pm 15\%$  @  $-55^{\circ}\text{C}$  to  $+125^{\circ}\text{C}$ ;

However, the dielectric also extends to encompass  $+200^{\circ}\text{C}$  (it is at  $200\text{C}$  that cap can drop -56%), hence the  $+15\%$  -56% @  $-55\text{C}$  to  $200\text{C}$ .

Essentially, the dielectric meets X7R completely, but has additional different coefficient parameters from  $125\text{C}$  to  $200\text{C}$ .

See graph of typical capacitance % drop as temperature nears  $+200\text{C}$ , and also note how stable the cap is from  $-55\text{C}$  to  $125\text{C}$  to meet X7R:

