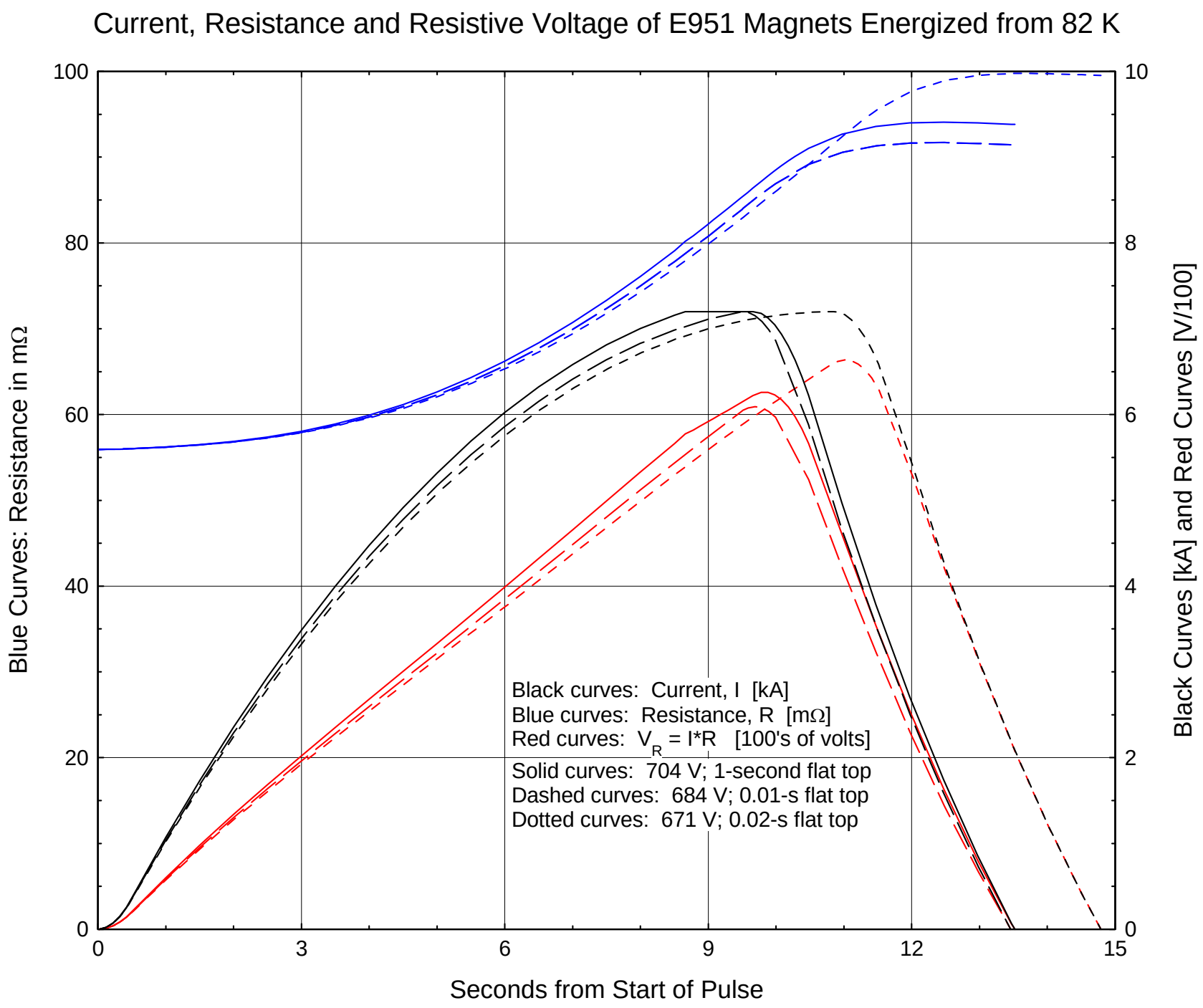
Current, Resistance and Resistive Voltage of E951 Magnets Energized from 82 K
Blue Curves: Resistance in mΩ
Black Curves [kA] and Red Curves [V/100]
Seconds from Start of Pulse
0
20
40
60
80
100
0
2
4
6
8
10
0
3
6
9
12
15
Black curves: Current, I [kA]
Blue curves: Resistance, R [mΩ]
Red curves: V_R = I*R [100's of volts]
Solid curves: 704 V; 1-second flat top
Dashed curves: 684 V; 0.01-s flat top
Dotted curves: 671 V; 0.02-s flat top