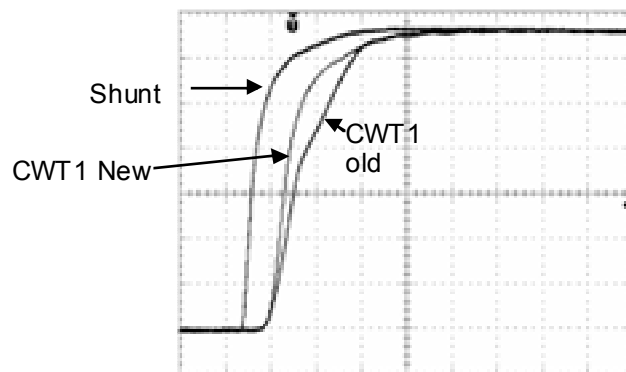


## Comparison of the new versus the old CWT ULTRA Mini range

The new CWT ULTRA Mini has the following improvements

- high frequency -3dB bandwidth of 20MHz across the range
- improved peak di/dt capability across the range

The oscilloscope traces below highlight these improvements. The comparative device is an 800MHz bandwidth coaxial shunt.



### Improved slew rate performance old CWT1 compared with New CWT1

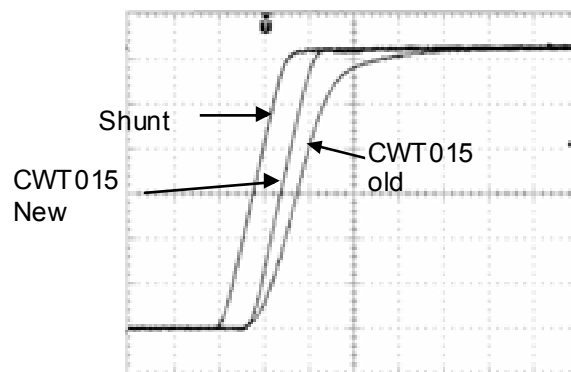
Current is 120A peak

Time base is 40ns per div

Rise-time within the capability of both probes but the di/dt is 5.6kA per  $\mu$ s

Peak di/dt old CWT1 = 2kA/ $\mu$ s,

Peak di/dt new CWT1 = 10kA/ $\mu$ s



### Improved high frequency -3dB bandwidth old CWT015 compared with New CWT015

Current is 1.6A peak

Time base is 40ns / div

Peak di/dt of 30A per  $\mu$ s is within the capability of both probes however the rise time is 50ns

Nominal hf -3dB bandwidth for old CWT015 = 6.5MHz

Nominal hf -3dB for new CWT015 = 20MHz