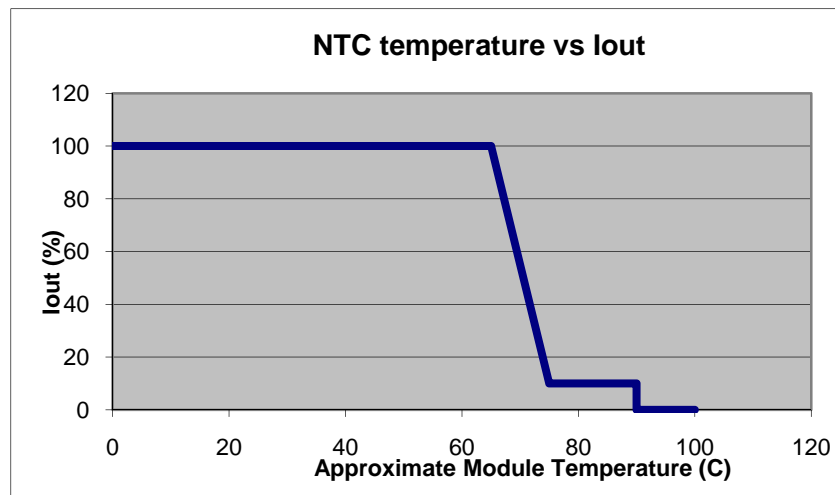


**Everline Driver Application Note:
Thermal Foldback Control**

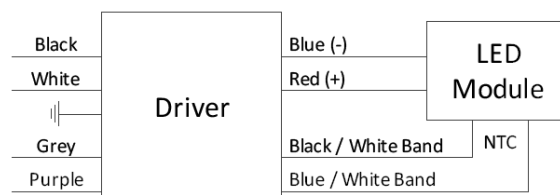
The following Application Note is applicable to Everline LED drivers that incorporate thermal foldback control with leads available for connection to a Negative Thermal Coefficient (NTC) device.

The driver and NTC function together so that when the NTC begins to exceed specific temperatures the output current of the driver is reduced to prevent damage to either the LED modules or the LED driver depending on where the components are located. The chart below shows how the temperature affects the output current with the Murata NTC part number NCP18XV103J03RB. When this NTC's temperature exceeds approximately 65°C, the output current is reduced (folds back). If the temperature continues to rise, the current is reduced further.



(Example with the Murata NTC p/n NCP18XV103J03RB)

Everline LED Drivers that incorporate this feature have two extra leads to connect to the NTC: Black/White Band and Blue/White Band are the lead colors. These leads must be shorted together for applications that do not incorporate an NTC. If they are not shorted together the driver will act as if it is measuring excessive heat on the NTC and their will be little or no output current.



**Unused Black/White and Blue/White Leads
MUST be connected together**