

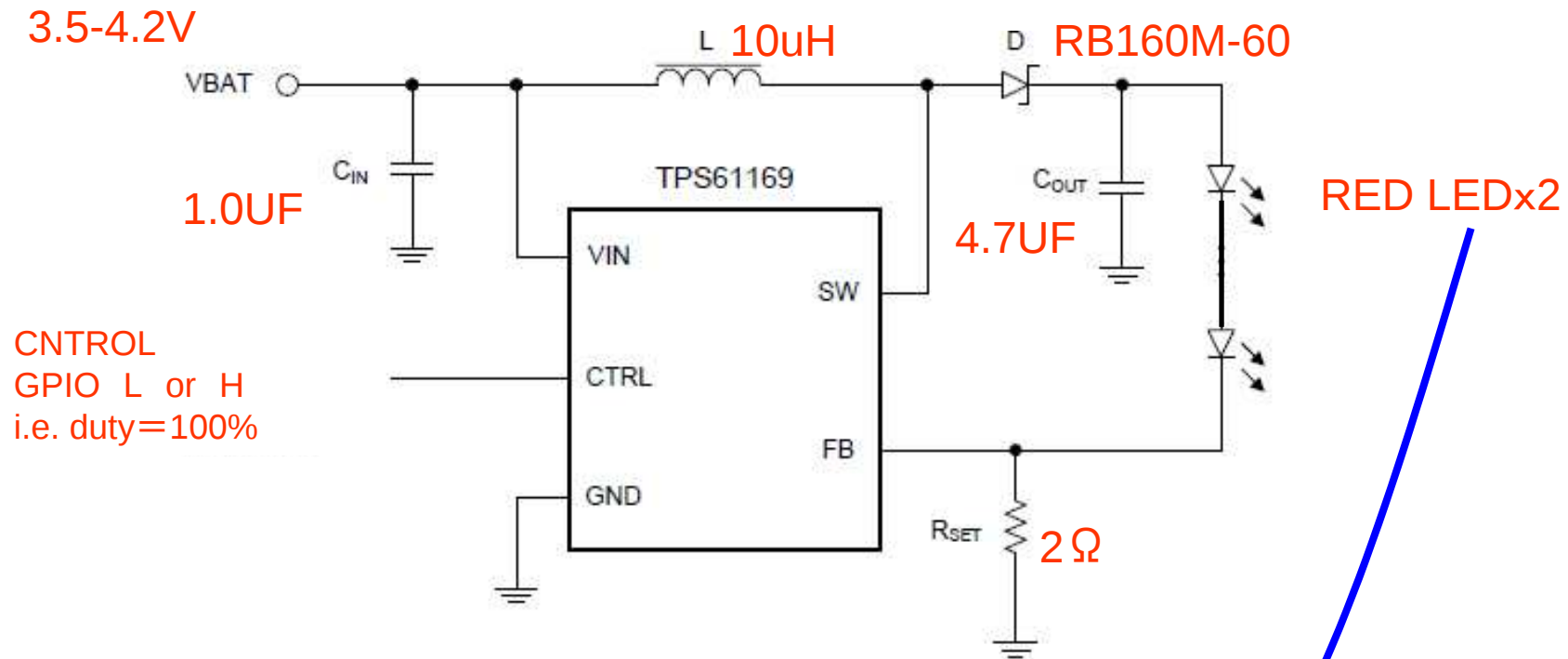


Table 2. Optical & Electrical Characteristics (T_j = 25°C, I_f = 140mA)

Parameter	Min	Typ	Max	Unit
Peak Wavelength, λ _p	685.0	688.2	698.0	nm
Dominant Wavelength, λ _D ¹	-	653.0	-	nm
Viewing Angle, 2θ _{1/2} ²	-	120	-	°
Forward Voltage, V _f ³	1.90	2.09	2.95	V
Thermal Resistance, R _{θJA}	-	50	-	°C/W

Notes:

1. The dominant wavelength is derived from the CIE chromaticity diagram and represents the perceived color of the device.
2. θ_{1/2} is the off axis angle where the luminous intensity is ½ the peak intensity.
3. Forward voltage tolerance is ±0.1V.

$V_F = (1.9-2.95V) \times 2$