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**ELECTRICAL CHARACTERISTICS** The ● denotes the specifications which apply over the full operating temperature range, otherwise specifications are at  $T_A = 25^\circ\text{C}$ .  $PV_{IN} = V_{IN} = 12\text{V}$ ,  $V_{EN/UVLO} = V_{IN}$  unless otherwise noted.

| PARAMETER                                                          | CONDITIONS                                               | MIN | TYP | MAX | UNITS |
|--------------------------------------------------------------------|----------------------------------------------------------|-----|-----|-----|-------|
| <b>Input and Output</b>                                            |                                                          |     |     |     |       |
| INTV <sub>CC</sub> Dropout Voltage ( $V_{IN} - \text{INTV}_{CC}$ ) | $I_{\text{INTVCC}} = 10\text{mA}$ , $V_{IN} = 3\text{V}$ |     | 120 | 200 | mV    |

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**ELECTRICAL CHARACTERISTICS** The ● denotes the specifications which apply over the full operating temperature range, otherwise specifications are at  $T_A = 25^\circ\text{C}$ .  $PV_{IN} = V_{IN} = 12\text{V}$ ,  $V_{EN/UVLO} = V_{IN}$  unless otherwise noted.

| PARAMETER                                                          | CONDITIONS                                                 | MIN | TYP | MAX | UNITS |
|--------------------------------------------------------------------|------------------------------------------------------------|-----|-----|-----|-------|
| <b>Input and Output</b>                                            |                                                            |     |     |     |       |
| INTV <sub>CC</sub> Dropout Voltage ( $V_{IN} - \text{INTV}_{CC}$ ) | $I_{\text{INTVCC}} = 10\text{mA}$ , $V_{IN} = 3.3\text{V}$ |     | 120 | 200 | mV    |

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| PARAMETER                     | CONDITIONS                                                      |   | MIN   | TYP  | MAX   | UNITS |
|-------------------------------|-----------------------------------------------------------------|---|-------|------|-------|-------|
| FB Regulation Voltage         | $V_C = 1.2\text{V}$                                             | ● | 0.985 | 1.00 | 1.015 | V     |
| $V_C$ Standby Leakage Current | $V_C = 1.2\text{V}$ , PWM dimming off                           |   | -20   | 0    | 20    | nA    |
| Switching Frequency           | $V_{\text{SYNC/SPRD}} = 0\text{V}$ , $R_T = 14.3\text{k}\Omega$ | ● | 1900  | 2000 | 2100  | kHz   |
|                               | $V_{\text{SYNC/SPRD}} = 0\text{V}$ , $R_T = 43.2\text{k}\Omega$ |   | 925   | 975  | 1025  | kHz   |
|                               | $V_{\text{SYNC/SPRD}} = 0\text{V}$ , $R_T = 178\text{k}\Omega$  |   | 275   | 290  | 305   | kHz   |

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**ELECTRICAL CHARACTERISTICS** The ● denotes the specifications which apply over the full operating temperature range, otherwise specifications are at  $T_A = 25^\circ\text{C}$ .  $PV_{IN} = V_{IN} = 12\text{V}$ ,  $V_{EN/UVLO} = V_{IN}$  unless otherwise noted.

| PARAMETER                     | CONDITIONS                                                      |   | MIN   | TYP  | MAX   | UNITS |
|-------------------------------|-----------------------------------------------------------------|---|-------|------|-------|-------|
| FB Regulation Voltage         | $V_C = 0.8\text{V}$                                             | ● | 0.985 | 1.00 | 1.015 | V     |
| $V_C$ Standby Leakage Current | $V_C = 1.0\text{V}$ , PWM dimming off                           |   | -20   | 0    | 20    | nA    |
| Switching Frequency           | $V_{\text{SYNC/SPRD}} = 0\text{V}$ , $R_T = 14.3\text{k}\Omega$ | ● | 1900  | 2000 | 2100  | kHz   |
|                               | $V_{\text{SYNC/SPRD}} = 0\text{V}$ , $R_T = 43.2\text{k}\Omega$ |   | 925   | 1000 | 1075  | kHz   |
|                               | $V_{\text{SYNC/SPRD}} = 0\text{V}$ , $R_T = 178\text{k}\Omega$  |   | 275   | 300  | 325   | kHz   |