Table 1. Absolute Maximum Ratings

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
|  |  | **MIN** | **TYPICAL** | **MAX** | **UNIT** |
| Vin | Supply voltage | 20 |  | 40 | V |
| Vout | Output voltage | 12.2 | 12.5 | 12.5 | V |
| Pin | Supply power | 0 | 100 | 120 | W |
| Pout | Output power | 0 | 60 | 70 | W |
| VGS | Gate-to-source voltage | -20 | 10 | +20 | V |
| IFB | FB, peak current |  |  | 18.7 | A |
| Iin | Supply current | 0 |  | 5 | A |
| Iout | Output current | 0 |  | 5 | A |
| TC | Operating case temperature range | -55 |  | 120 | °C |
| Lm | Magnetizing inductance |  | 21.9 |  | µH |
| Lleakage | Leakage inductance |  | 1 |  | % |