**Buck Converter Design Equations**

|  |  |
| --- | --- |
| Eq. # | Equation |
| (1) |  |
| (2) |  |
| (3) |  |
| (4) |  |
| (5) |  |
| (6) | ( is limited by OR |
| (7) | Where: |
| (8) |  |
| (9) |  |
| (10) |  |
| (11) |  |
| (12) |  |
| (13) |  |
| (14) |  |
| (15) |  |
| (16) |  |
| (17) |  |
| (18) |  |
| (19) | (In A |
| (20) |  |
| (21) |  |
| (22) |  |
| (23) | Where:  Results given in |
| (24) |  |
| (25) |  |
| (26) |  |
| (27) |  |
| (28) |  |
| (29) |  |
| (30) |  |
| (31) |  |
| (32) |  |
| (33) |  |
| (34) |  |
| (35) |  |
| (36) |  |
| (37) |  |
| (38) |  |
| (39) |  |
| (40) |  |