

Model TUHS10F12

Item Switching Frequency

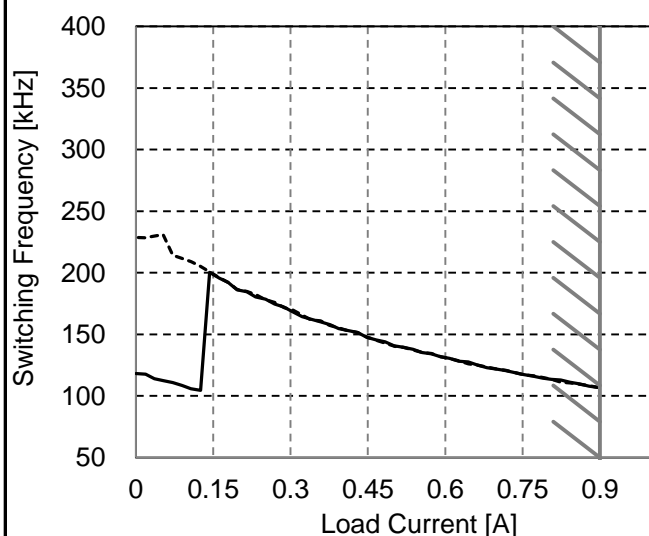
Temperature 25°C
Testing Circuitry Figure A

Object

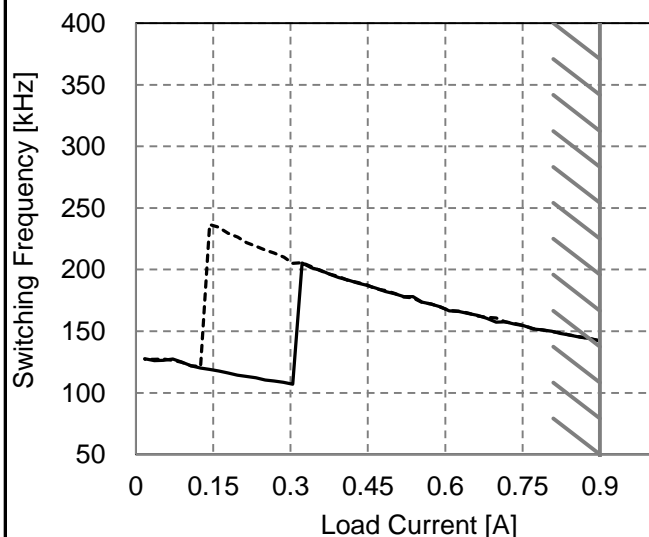
1. Graph

—— Load Increase
- - - - Load Decrease

Input Voltage : AC100V



Input Voltage : AC200V



2. Values

| Load Current [A] | Switching Frequency [kHz] | |
|------------------|---------------------------|-------------------------|
| | Load Increase (0%→100%) | Load Decrease (100%→0%) |
| 0.00 | 118 | 229 |
| 0.09 | 109 | 212 |
| 0.18 | 192 | 192 |
| 0.27 | 175 | 176 |
| 0.36 | 160 | 161 |
| 0.45 | 148 | 148 |
| 0.54 | 138 | 137 |
| 0.63 | 128 | 128 |
| 0.72 | 120 | 121 |
| 0.81 | 113 | 113 |
| 0.90 | 107 | 107 |

| Load Current [A] | Switching Frequency [kHz] | |
|------------------|---------------------------|-------------------------|
| | Load Increase (0%→100%) | Load Decrease (100%→0%) |
| 0.00 | - | - |
| 0.09 | 125 | 125 |
| 0.18 | 116 | 229 |
| 0.27 | 110 | 213 |
| 0.36 | 200 | 199 |
| 0.45 | 187 | 187 |
| 0.54 | 178 | 177 |
| 0.63 | 166 | 166 |
| 0.72 | 158 | 158 |
| 0.81 | 150 | 150 |
| 0.90 | 143 | 143 |

-Switching frequency of TUHS changes depending on load current and input voltage.
When load current is low, switching frequency becomes high and step down to low frequency at certain point.
There is hysteresis, so characteristic is different between load increase (sweep from 0% to 100%) and load decrease (sweep from 100% to 0%).

-When load current is low, TUHS operates intermittently, so switching frequency would not become constant.
Therefore it is shown as "-" in the table.