

Mean Time Between Failures (MTBF) Declaration

Date of Issue: 14th February 2019

Manufacturer: Tekron International Ltd

Address: Level 1, 47 The Esplanade
Petone
Lower Hutt, 5012
New Zealand

Product Model Number: NTS03-G+

Oscillator Option: TCXO

Declaration:

This declaration is issued under the sole responsibility of Tekron International Limited. The NTS03-G+ (with the TCXO Oscillator option) is calculated to have Mean time between failures (MTBF) as follows:

MTBF: 153,000 Hours | 18 Years

The following Prediction Parameters were applied in full in accordance with the Telcordia SR-332 Issue 4 Prediction Standards:

| | |
|------------------------------|--|
| Environment | Ground, Fixed, Uncontrolled (Limited) |
| Unit Method | I |
| Device Method | I-D |
| Device Quality | II (Commercial grade, Quality controlled) |
| Operating Temperature | 45 Degrees Celsius (25° Ambient + 20° Internal differential) |
| Electrical Stress | 50% |

Supplementary Information:

| | |
|---|---|
| Computed Utilizing | Ericsson ARPP, Version 12.1a, 2017 |
| Technical / Compliance File Held by: | Tekron International Ltd Level 1, 47 The Esplanade, Petone, Lower Hutt, 5012, New Zealand |



Signature of Authorized Person:

14 February 2019

Frank Simmons: CEO, Tekron International Ltd

Date of Signature

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Manufacturer: Tekron International Ltd

Address: Level 1, 47 The Esplanade
Petone
Lower Hutt, 5012
New Zealand

Product Model Number: NTS03-G+

Oscillator Option: OCXO

Declaration:

This declaration is issued under the sole responsibility of Tekron International Limited. The NTS03-G+ (with the OCXO Oscillator option) is calculated to have Mean time between failures (MTBF) as follows:

MTBF: 143,000 Hours | 16 Years

The following Prediction Parameters were applied in full in accordance with the Telcordia SR-332 Issue 4 Prediction Standards:

| | |
|------------------------------|--|
| Environment | Ground, Fixed, Uncontrolled (Limited) |
| Unit Method | I |
| Device Method | I-D |
| Device Quality | II (Commercial grade, Quality controlled) |
| Operating Temperature | 45 Degrees Celsius (25° Ambient + 20° Internal differential) |
| Electrical Stress | 50% |

Supplementary Information:

| | |
|---|---|
| Computed Utilizing | Ericsson ARPP, Version 12.1a, 2017 |
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Signature of Authorized Person:

Frank Simmons: CEO, Tekron International Ltd

14 February 2019

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Mean Time Between Failures (MTBF) Declaration

Date of Issue: 14th February 2019

Manufacturer: Tekron International Ltd

Address: Level 1, 47 The Esplanade
Petone
Lower Hutt, 5012
New Zealand

Product Model Number: NTS03-G+

Oscillator Option: Rubidium

Declaration:

This declaration is issued under the sole responsibility of Tekron International Limited. The NTS03-G+ (with the Rubidium Oscillator option) is calculated to have Mean time between failures (MTBF) as follows:

MTBF: 121,000 Hours | 14 Years

The following Prediction Parameters were applied in full in accordance with the Telcordia SR-332 Issue 4 Prediction Standards:

| | |
|------------------------------|--|
| Environment | Ground, Fixed, Uncontrolled (Limited) |
| Unit Method | I |
| Device Method | I-D |
| Device Quality | II (Commercial grade, Quality controlled) |
| Operating Temperature | 45 Degrees Celsius (25° Ambient + 20° Internal differential) |
| Electrical Stress | 50% |

Supplementary Information:

| | |
|---|---|
| Computed Utilizing | Ericsson ARPP, Version 12.1a, 2017 |
| Technical / Compliance File Held by: | Tekron International Ltd Level 1, 47 The Esplanade, Petone, Lower Hutt, 5012, New Zealand |



Signature of Authorized Person:

Frank Simmons: CEO, Tekron International Ltd

14 February 2019

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