



MPL115Ax Family Fab Transfer Qualification Result

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Qualification Results

- Comparisons of the electrical distributions over the operating temperature range were completed and show equivalency between original die sourced from Sendai and new die sourced from Oak Hill. Cpk values of critical parameters all meet Freescale requirements.

Qualification Results

T=25degC

| | (Oak Hill PRT Die) | (Original Sendai PRT) |
|-------------------|--------------------|-----------------------|
| Parameter | CpK | CpK |
| Pressure Accuracy | 2.61 | 2.44 |
| IDD Standby | 11.37 | 14.42 |
| IDD Shutdown | 21.42 | 29.28 |

T=-20degC

| | (Oak Hill PRT Die) | (Original Sendai PRT) |
|-------------------|--------------------|-----------------------|
| Parameter | CpK | CpK |
| Pressure Accuracy | 1.34 | 1.55 |
| IDD Standby | 2.17 | 5.44 |
| IDD Shutdown | 5.24 | 24.00 |

T=85degC

| | (Oak Hill PRT Die) | (Original Sendai PRT) |
|-------------------|--------------------|-----------------------|
| Parameter | CpK | CpK |
| Pressure Accuracy | 2.10 | 2.89 |
| IDD Standby | 16.71 | 14.32 |
| IDD Shutdown | 4.56 | 7.08 |



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