

| Temperature-dependance : | | TFS35C |
|--------------------------|--------------------------------|--------|
| date | 6/16/2004 | |
| design | TRV35CT11 | |
| material | LiTaO ₃ ,112°,377nm | |
| E.Nr. | E3624 | |
| technology | Ätztechnik | |
| measured bandwidth 1 | 3 dB | |
| measured bandwidth 2 | 21 dB | |
| test-board | | |

| temperature | IL1 | frq1 | bw1 | IL2 | frq2 | bw2 | Delta f1 | Delta f2 |
|-------------|---------|--------|-------|---------|--------|-------|----------|----------|
| | [dB] | [MHz] | [MHz] | [dB] | [MHz] | [MHz] | [kHz] | [kHz] |
| -20 | -15.330 | 35.486 | 2.468 | -15.333 | 35.477 | 3.331 | 0 | 0 |
| -10 | -15.391 | 35.477 | 2.454 | -15.390 | 35.469 | 3.334 | -8 | -8 |
| 0 | -15.497 | 35.470 | 2.467 | -15.496 | 35.463 | 3.329 | -15 | -14 |
| 10 | -15.658 | 35.461 | 2.468 | -15.650 | 35.455 | 3.330 | -25 | -21 |
| 20 | -15.830 | 35.449 | 2.469 | -15.832 | 35.447 | 3.337 | -36 | -30 |
| 30 | -15.839 | 35.446 | 2.459 | -15.840 | 35.442 | 3.334 | -40 | -35 |
| 40 | -15.947 | 35.438 | 2.461 | -15.947 | 35.437 | 3.332 | -48 | -40 |
| 50 | -16.104 | 35.429 | 2.458 | -16.096 | 35.432 | 3.333 | -56 | -44 |
| 60 | -16.215 | 35.424 | 2.447 | -16.221 | 35.427 | 3.336 | -62 | -50 |
| 70 | -16.340 | 35.417 | 2.449 | -16.343 | 35.423 | 3.332 | -69 | -54 |
| 80 | -16.532 | 35.409 | 2.448 | -16.542 | 35.416 | 3.333 | -77 | -61 |

temperature coefficient of frequency (1) 21.665 ppm/K

temperature coefficient of frequency (2) 17.209 ppm/K

