

temperature-dependance :	TFS199E
date	2/19/2003
design	DART199EQ11,12/13/14
material	quartz, 36,5°
E.Nr.	E2034
technology	lift off,280nm
measured bandwidth (1)	0,7dB
measured bandwidth (2)	36dB
test-board	ft050

temperature	IL1	frq1	bw1	IL2	frq2	bw2	Delta f1	Delta f2
	[dB]	[MHz]	[MHz]	[dB]	[MHz]	[MHz]	[kHz]	[kHz]
-35	-6.776	198.990	0.266	-6.787	198.958	1.008	-27	-35
-25	-6.732	198.997	0.268	-6.734	198.967	1.007	-20	-26
-15	-6.728	199.002	0.271	-6.736	198.974	1.004	-15	-19
-5	-6.799	199.006	0.274	-6.815	198.983	0.997	-11	-10
5	-7.013	199.011	0.278	-7.019	198.988	0.997	-6	-5
15	-7.228	199.015	0.276	-7.243	198.992	0.995	-2	-1
25	-7.440	199.017	0.275	-7.453	198.993	0.991	0	0
35	-7.478	199.014	0.278	-7.487	198.991	0.992	-3	-2
45	-7.427	199.010	0.279	-7.431	198.987	0.993	-7	-6
55	-7.474	199.006	0.279	-7.476	198.983	0.994	-11	-10
65	-7.568	199.000	0.278	-7.571	198.977	0.993	-17	-16
75	-7.710	198.992	0.278	-7.714	198.969	0.993	-25	-24
85	-7.859	198.983	0.277	-7.866	198.960	0.993	-34	-33

temperature coefficient of frequency (1) **-0.043 ppm/K²** turn over temperature (1) / °C **21.6**
temperature coefficient of frequency (2) **-0.047 ppm/K²** turn over temperature (2) / °C **25.9**

