

<b>Temperature-dependance :</b>	<b>TFS1220</b>
date	2/20/2006
design	
material	Quarz;360µm; 36,5°;STW
E.Nr.	
technology	lift off
measured bandwith 1	5dB
measured bandwith 2	20dB
test-board	

temperature	IL1	frq1	bw1	IL2	frq2	bw2	Delta f1	Delta f2
	[dB]	[MHz]	[MHz]	[dB]	[MHz]	[MHz]	[kHz]	[kHz]
-40	-3.995	1219.533	1.556	-3.996	1219.338	3.898	-478	-494
-30	-4.071	1219.631	1.552	-4.072	1219.438	3.888	-381	-394
-20	-4.150	1219.716	1.549	-4.153	1219.527	3.874	-295	-305
-10	-4.231	1219.793	1.547	-4.238	1219.606	3.864	-218	-226
0	-4.335	1219.865	1.547	-4.337	1219.679	3.854	-146	-152
10	-4.427	1219.930	1.546	-4.428	1219.746	3.839	-82	-85
20	-4.528	1219.970	1.545	-4.534	1219.787	3.830	-41	-45
30	-4.633	1219.999	1.545	-4.634	1219.818	3.814	-13	-14
40	-4.741	1220.011	1.542	-4.746	1219.832	3.806	0	0
50	-4.865	1220.007	1.538	-4.870	1219.831	3.796	-5	-1
60	-5.002	1219.983	1.534	-5.003	1219.812	3.780	-28	-20
70	-5.147	1219.938	1.532	-5.151	1219.771	3.772	-74	-61

temperature coefficient of frequency (1)      **-0.059 ppm/K<sup>2</sup>**      turn over temperature (1) / °C      **40.5**  
temperature coefficient of frequency (2)      **-0.058 ppm/K<sup>2</sup>**      turn over temperature (2) / °C      **42.8**

