2023.8.24

New product

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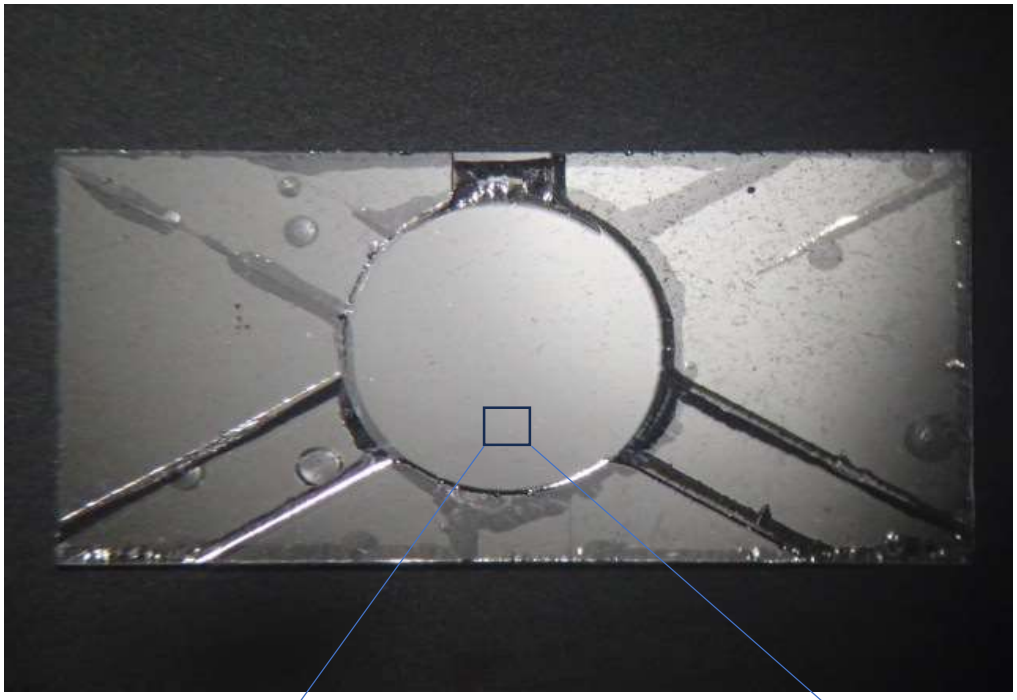
We produce inverted mesa blanks with small lot.

However, you need to prepare evaporation mask by yourself. Or you supply your evaporation mask. You can cost down and short the lead time.

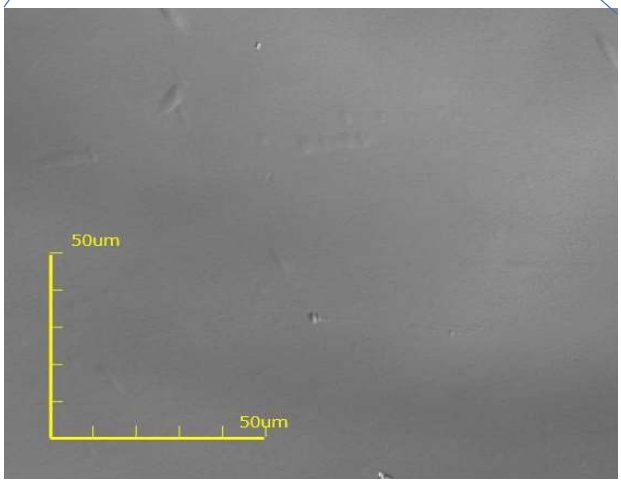
If you are interested in inverted mesa blanks, we can supply the sample blanks. Please let us know.

(This picture is our prototype with 20 times)



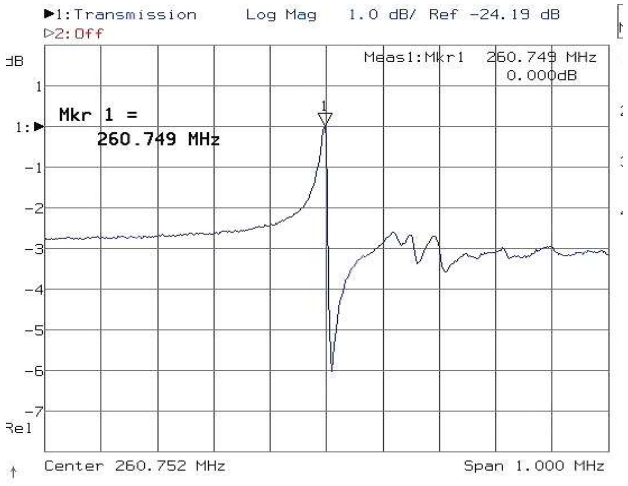
7050type

extended image with 1000 times

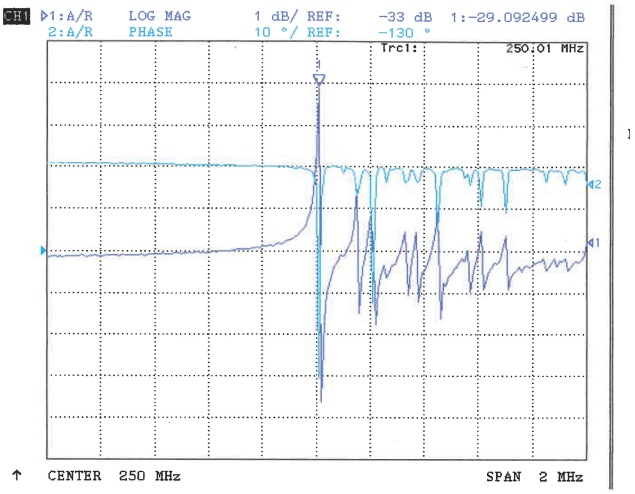


The round blanks is also possible.

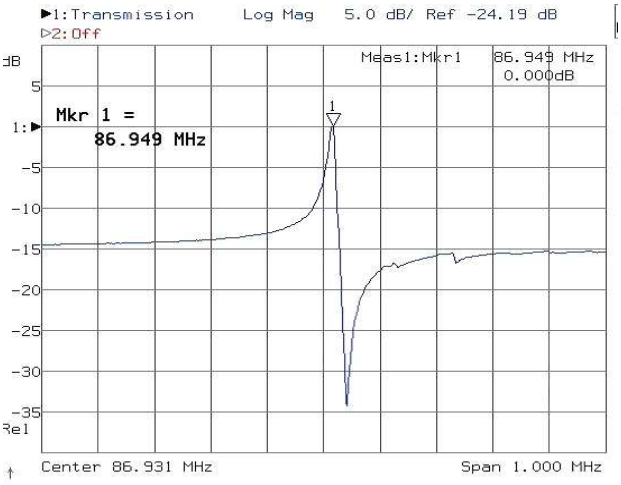
Strip blanks with space electrode . 3rd



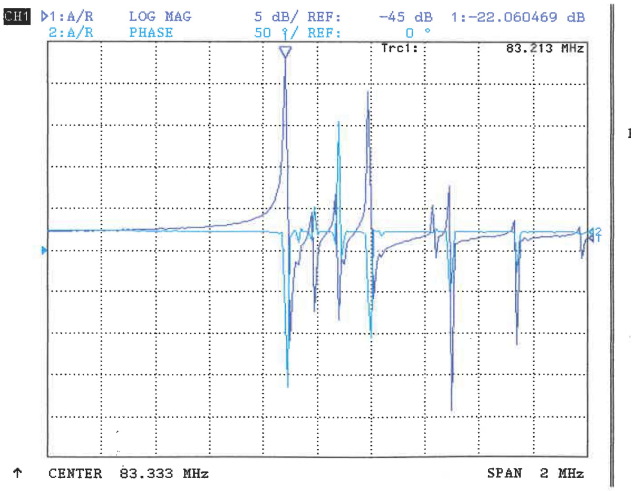
Strip blanks with electrode. 3rd over tone



Strip blanks with space electrode .



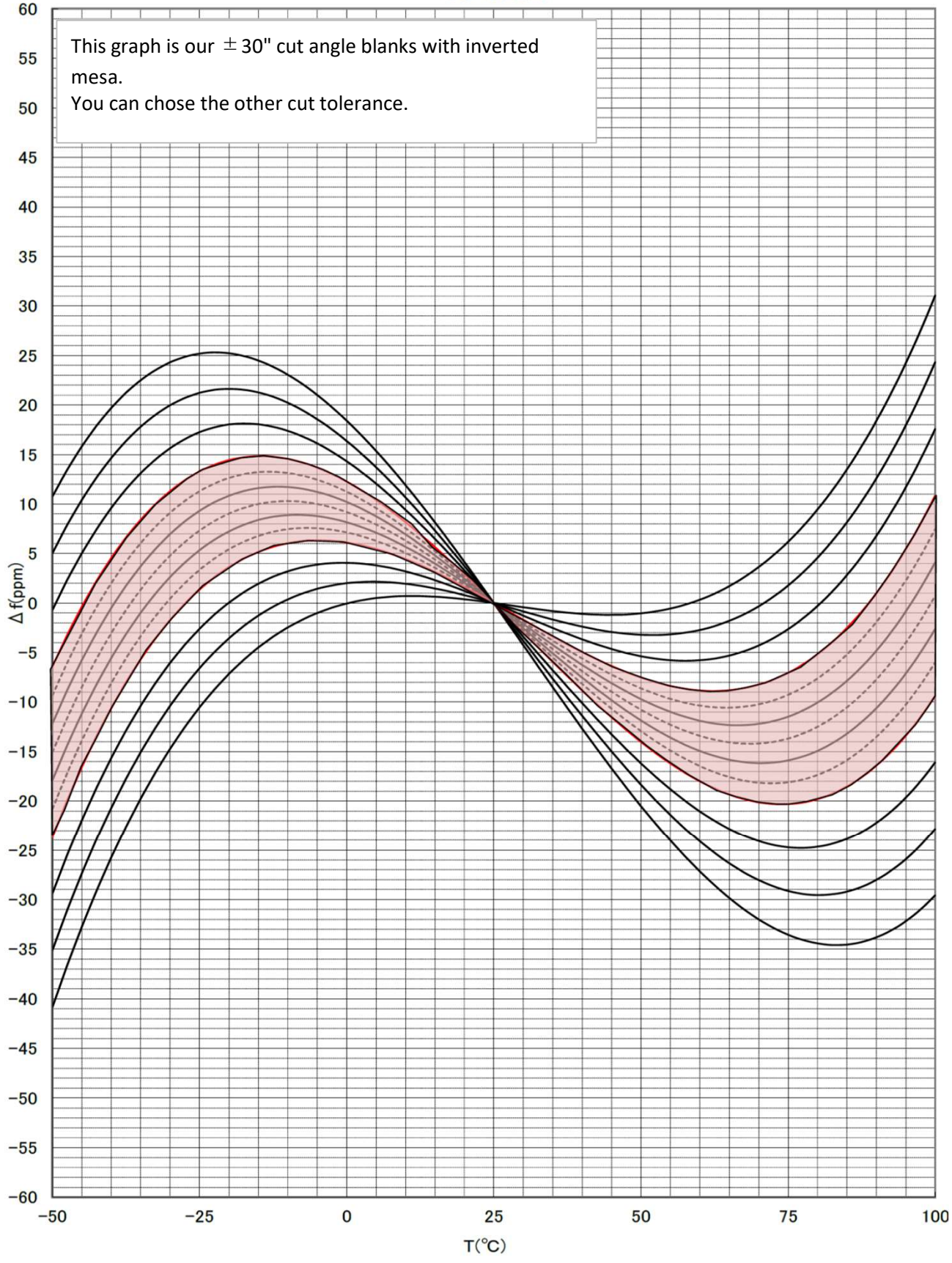
Strip blanks with electrode. Fundamental



Strip blanks with electrode. Constant

Xtal number	Status	Fs_[MHz]	Fs_[Hz]	Fr_[ppm]	Fr_[Hz]	Rr_[ohm]	C0_[pF]	C1_[fF]	L_[mH]	Q_[K]
1	Pass 1	249.99954	249999540	-0.24	249999941	22.6	3.41	0.768	0.528	37
2	Pass 1	250.001573	250001573	8.07	250002017	24.4	3.368	0.738	0.549	35.6
3	Pass 1	250.001458	250001458	7.27	250001816	23.6	3.423	0.627	0.646	43.4
4	Pass 1	250.001053	250001053	6.16	250001539	27.2	3.391	0.651	0.622	36.3
5	Pass 1	250.0025	250002500	12.63	250003156	35.4	3.288	0.548	0.74	33.3
6	Pass 1	250.002289	250002289	12.38	250003095	39.3	3.41	0.541	0.749	30.8
7	Pass 1	250.000108	250000108	2.1	250000524	24.6	3.413	0.676	0.599	38.7
8	Pass 1	250.000195	250000195	4.1	250001026	42.8	3.41	0.472	0.858	32.3
9	Pass 1	250.001829	250001829	10.05	250002513	33.9	3.414	0.593	0.684	31.8
10	Pass 1	249.99982	249999820	2.97	250000743	40.1	3.435	0.589	0.688	27.6
11	Pass 1	250.002851	250002851	13.93	250003482	29.5	3.282	0.74	0.548	29.2
12	Pass 1	250.000453	250000453	3.99	250000998	29	3.4	0.646	0.628	34.4
13	Pass 1	250.000363	250000363	3.88	250000969	28.9	3.427	0.723	0.561	31
14	Pass 1	250.00054	250000540	3.95	250000986	24.2	3.39	0.749	0.541	35.3
15	Pass 1	250.002113	250002113	11.34	250002836	35.9	3.444	0.566	0.716	32
16	Pass 1	250.001558	250001558	7.9	250001974	23	3.431	0.76	0.533	36.6
17	Pass 1	249.998442	249998442	-3.44	249999139	32.2	3.426	0.665	0.609	29.9
18	Pass 1	250.00098	250000980	6.71	250001677	33.9	3.409	0.611	0.664	31.2
19	Pass 1	250.001136	250001136	7.72	250001930	36.5	3.4	0.607	0.667	29.3
20	Pass 1	250.00114	250001140	6.11	250001528	23.3	3.36	0.715	0.567	38.8
21	Pass 1	250.002469	250002469	13.12	250003279	38.5	3.441	0.558	0.726	30.4
22	Pass 1	250.000996	250000996	7.7	250001925	43.7	3.398	0.508	0.797	29.3
23	Pass 1	250.001043	250001043	6.69	250001672	29.1	3.422	0.734	0.553	30.1
24	Pass 1	250.000314	250000314	4.79	250001198	40.8	3.416	0.551	0.736	29.1
25	Pass 1	250.001404	250001404	8.01	250002001	29.5	3.421	0.681	0.596	32.1
26	Pass 1	250.001251	250001251	6.75	250001687	26.2	3.39	0.627	0.647	39.1
27	Pass 1	250.000454	250000454	3.91	250000976	25.8	3.437	0.765	0.53	32.5
28	Pass 1	250.001793	250001793	9.03	250002256	30.7	3.45	0.483	0.839	43.4
29	Pass 1	249.99964	249999640	1.07	250000267	31.8	3.41	0.617	0.657	32.7
30	Pass 1	250.00156	250001560	8.13	250002033	26.6	3.408	0.657	0.617	36.7
31	Pass 1	250.00205	250002050	10.61	250002652	33.6	3.431	0.537	0.755	36
32	Pass 1	250.00039	250000390	3.46	250000865	27.2	3.382	0.638	0.635	36.9
33	Pass 1	250.001192	250001192	6.32	250001579	24.7	3.396	0.622	0.651	41.6
34	Pass 1	250.000395	250000395	3.29	250000824	25.5	3.407	0.648	0.626	38.9
35	Pass 1	250.000976	250000976	6.08	250001520	29.8	3.4	0.608	0.667	35.4
36	Pass 1	250.001672	250001672	8.52	250002131	30.8	3.427	0.479	0.845	43.6
37	Pass 1	249.99895	249998950	-1.96	249999510	27.6	3.448	0.712	0.569	32.5

TC-DATA


This graph is our ±30" cut angle blanks with inverted mesa.
You can chose the other cut tolerance.
60
55
50
45
40
35
30
25
20
15
10
5
0
−5
−10
−15
−20
−25
−30
−35
−40
−45
−50
−55
−60
Δ f(ppm)
−50
−25
0
25
50
75
100
T(°C)