

CRYSTAL UNITS

SURFACE MOUNT TYPE CRYSTAL UNITS / NX1255GA (CP12A)

This is small surface mount type crystal unit.

Features

- Compact and thin (11.8×5.5×2.5 mm).
- Excellent heat resistance and environmental characteristics.
- Taping package is for customer automatic loading operation.
- It is applicable to IR Reflow.



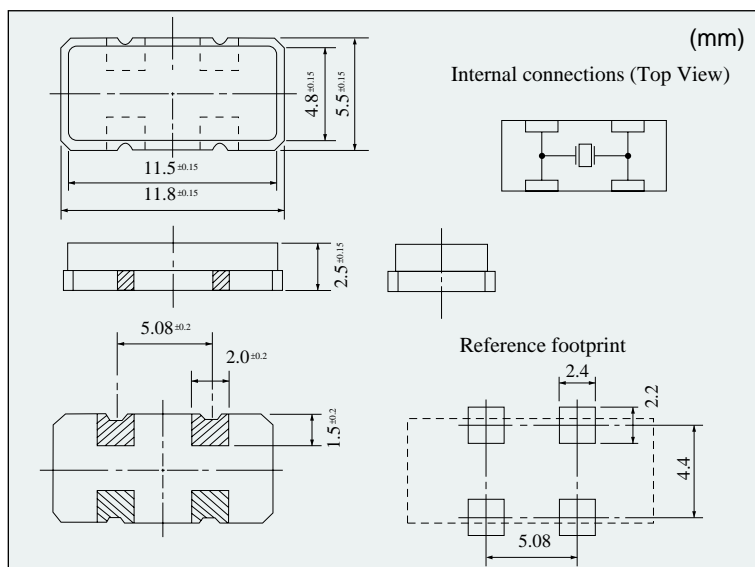
Specification

Item	Type	NX1255GA (CP12A)		
Frequency Range		3.5 MHz ~ 25 MHz		
Overtone		Fundamental		
Frequency Tolerance (25±3°C)		± 50 × 10 ⁻⁶	± 100 × 10 ⁻⁶	± 100 × 10 ⁻⁶
Temperature Characteristics (in reference to +25°C)		± 50 × 10 ⁻⁶	± 100 × 10 ⁻⁶	± 150 × 10 ⁻⁶
Operating Temperature Range		-10 ~ +70°C		-40 ~ +125°C
Equivalent Series Resistance		4 See table 1		
Drive Level		100 μW		
Standard Load Capacitance		12pF		
Operable Temperature Range		-40 ~ +125°C		

Standard Frequency (MHz)

3.541	4.032	4.90625	6.124	6.912	8.192	10.000	11.160	12.000	13.574	15.905	16.900	19.6875	22.1184
3.5712	4.045	4.9152	6.144	6.930	8.2944	10.0432	11.250	12.0072	13.824	15.968	16.9172	19.800	22.275
3.579545	4.096	4.9536	6.147072	6.965	8.3712	10.050	11.260	12.160	13.875	15.970	16.9344	19.968	22.528
3.5808	4.125	5.000	6.25	7.000	8.388	10.1088	11.286	12.288	14.000	15.9744	17.1776	20.000	22.579
3.600	4.190	5.0688	6.270	7.0656	8.38608	10.178125	11.2896	12.352	14.21875	15.975	17.3313	20.0125	22.5792
3.640	4.192	5.120	6.290	7.1424	8.448	10.215	11.400	12.500	14.2848	15.9859	17.445	20.250	23.000
3.648	4.194304	5.333333	6.291	7.15909	8.4672	10.240	11.4545	12.504	14.3	16.000	17.734476	20.325	23.75
3.6845	4.250	5.346	6.291456	7.200	8.664	10.245	11.454544	12.58	14.31818	16.0096	17.9	20.480	23.950
3.6858	4.2986	5.370	6.300	7.280	8.700	10.250	11.500	12.5875	14.32118	16.104	18.000	20.5267	24.000
3.6864	4.3008	5.376	6.3488	7.3728	9.000	10.260	11.520	12.6	14.400	16.128	18.355	20.730	24.192
3.700	4.332	5.390625	6.400	7.500	9.210	10.368	11.54127	12.648	14.500	16.200	18.432	20.736	24.300
3.72827	4.3728	5.439488	6.448	7.624	9.216	10.440	11.580224	12.800	14.560	16.256	18.816	20.738	24.380952
3.7343	4.380	5.500	6.4512	7.680	9.220608	10.533	11.58042	12.9024	14.644	16.345	18.89763	20.920	24.545452
3.750	4.400	5.5296	6.4544	7.6992	9.475	10.695	11.648	12.960	14.725	16.384	19.01875	20.945	24.576
3.8016	4.42368	5.55781	6.500	7.9488	9.49453	10.700	11.650	13.000	14.744715	16.500	19.069928	21.000	24.580
3.840	4.430	5.6448	6.510	7.950	9.51	10.73863	11.6736	13.070	14.7456	16.588	19.08549	21.0526	24.704
3.862625	4.433619	5.72727	6.552	7.984	9.600	10.752	11.71876	13.150	14.74685	16.590	19.170	21.075	25.000
3.91193	4.500	5.760	6.5536	7.9872	9.6852	10.78125	11.890	13.225625	14.750	16.600	19.176	21.145	
3.93216	4.592	5.850	6.570	7.998	9.79844	10.800	11.8951	13.23438	14.770	16.620	19.200	21.245	
3.9672	4.608	5.85938	6.6128	8.000	9.8304	11.000	11.9318	13.24125	15.000	16.6399	19.3125	21.330	
3.992	4.750	5.940	6.61719	8.0256	9.84375	11.0537	11.94375	13.300	15.360	16.6567	19.570	21.345	
3.996	4.75468	5.94755	6.6667	8.054	9.8475	11.05692	11.95804	13.407812	15.600	16.6633	19.576	21.400	
4.000	4.767	5.948	6.76438	8.064	9.8618	11.0592	11.9808	13.500	15.6672	16.667	19.600	21.47727	
4.0015	4.7727	5.9904	6.77219	8.100	9.984	11.0647	11.98135	13.560	15.800	16.670	19.6608	21.784	
4.021	4.800	6.000	6.8985	8.185	9.99375	11.155	11.990	13.56875	15.900	16.700	19.670	22.000	

Dimensions



If you need NON-standard spec., please contact us.
[Type name] In () is previous name.

4 Table 1 Equivalent Series Resistance

Frequency Range (MHz)	Equivalent Series Resistance (Ω)	
	-10°C ~ +70°C	-40°C ~ +125°C
3.5 ~ 4.0	150 max	200 max
4.0 ~ 8.0	120	180
8.0 ~ 12.0	80	120
12.0 ~ 25.0	50	80