NUMBERING GUIDE

CRYSTALS

To express normal parameters concisely we use a standard notation of the form :

PRODUCT A – B – C – D – E - Freq.

A = Calibration tolerance at 25°C or overall tolerance , expressed in parts per million (ppm)

B = Temperature stability over the temperature range , expressed in parts per million (ppm)
If overall tolerance = **T**

C = Negative end of operating temperature range , which is normally symmetrical about +25°C

0	=	0°C up to +50°C
1	=	0°C up to +70°C
10	=	-10°C up to +60°C
20	=	-20°C up to +70°C
30	=	-30°C up to +80°C
40	=	-40°C up to +85°C
50	=	-50°C up to +100°C
55	=	-55°C up to +125°C

If the operating temperature range is not equal to the above values , you must specify both upper and lower limits.

D = Circuit condition . A **number** specifies a load capacitance in pF.
SR denotes Series resonance

E = Operating mode of crystal , where:

F = Fundamental mode
D = Third overtone mode
V = Fifth overtone mode
Z = Seventh overtone mode

Freq. = **M** in MHz
K in kHz

Example : 49U-10-20-20-30-F-12M288 denotes a crystal HC49U with ±10 ppm tolerance , a temperature stability of ±10 ppm in temp. range –20°C to +70°C , 30 pF load , 12.288 MHz .

Note :
Not all combinations are available ,any requests ,please consult us for more detailed information.

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