ABRACON CORPORATION
A Worldwide Leading Supplier of Electronic Components

PART NUMBERING GUIDE

ABRACON QUARTZ CRYSTAL

Explanation of Ordering Options for Quartz Crystals. EXAMPLE: AB-70.0 MHz-20-R80-D-3-W-O-L1-T

AB	40.0 MHz	20	R15	D	3	W	F	L1	T
Part Number	Frequency	Cap. Load	ESR	Operating Temperature	Tolerance	Stability	Mode	Value Added	Packaging

Found at top of each page

Enter desired frequency in MHz or kHz

Load Capacitance in pF or -S for Series

Equivalent Series Resistance RXXX (max. value in Ω)

-E for 0°C to +70°C
-A for -10°C to +60°C
-B for -20°C to +70°C
-C for -30°C to +70°C
-N for -30°C to +85°C
-D for -40°C to +85°C

Frequency at 25°C
-H5 for ± 5 ppm
-1 for ± 10 ppm
-7 for ± 15 ppm
-2 for ± 20 ppm
-3 for ± 25 ppm
-4 for ± 30 ppm
-5 for ±100 ppm or ± 50 ppm

Frequency Over Temperature Reference to 25°C
-R3 for ± 3 ppm
-R5 for ± 5 ppm
-U for ± 10 ppm
-X for ± 20 ppm
-W for ± 25 ppm
-Y for ± 30 ppm
-H for ± 35 ppm
-Z for ± 50 ppm

-F for Fundamental AT
-FB for Fundamental BT
-O for 3rd OT

- I for Insulator Tab
-K for Ceramic Lid
- L for 3rd Lead Welded
-L1 for 3rd Lead Soldered
-L2 for Middle 3rd Lead
-L3 for side 3rd Lead
- V for Vinyl Sleeving
-M for SMT Formed Leads
-MJ for Metal Jackets
-QXX for Trimmed Leads

- T for Tape & Reel
- P for Foam
- TY for Tray Packing

NOTE:
Left blank if Standard. Default Parameter Value is found in Product Pages.

ABRACON CRYSTAL OSCILLATORS

Explanation of Ordering Options for Crystal Oscillators EXAMPLE: ACO-20.0 MHz-D-K-S-A-50-G-TY

ACO	20.0 MHz	D	K	S	A	50	X	G	TY
Part Number	Frequency	Operating Temperature	Stability	Duty Cycle	Tristate	50	Pulling	Value Added	Packaging

Found at top of each page

Enter desired frequency in MHz or kHz

-I for - 0°C to +50°C
-D for -10°C to + 60°C
-E for -20°C to + 70°C
-F for -30°C to + 70°C
-N for -30°C to + 85°C
-L for -40°C to + 85°C

(-40°C to +125°C available on Specific Products.)

Overall Frequency Stability
-Y for ± 10 ppm max
-J for ± 20 ppm max
-R for ± 25 ppm max
-K for ± 30 ppm max
-H for ± 35 ppm max
-B for ± 40 ppm max
-C for ± 50 ppm max

-S for 45/55% @ 1/2 Vdd
-T for 47.5/52.5% @ 1/2 Vdd
-S1 for 45/55% @ 1.4 Vdc
-T1 for 47.5/52.5% @ 1.4 Vdc

- A for Tristate E/D

50pF Output Drive

X = VCXO Only
-N15 for ± 150 ppm min.
-N20 for ± 200 ppm min.
-N25 for ± 250 ppm min.
-N30 for ± 300 ppm min.

-G Gull Wing
-G2 Gull Wing
-GHT Gull Wing, Reflow capable
-QXX (Trimmed Leads)
-H5 for 5.08 mm height
-H6 for 6.2 mm height
-IR for internal trimmer

- T for Tape & Reel
- TY for Tray packing

NOTE:
Left blank if Standard. Default Parameter Value is found in Product Pages.

The Part Numbering Matrix Guide is used for Reference ONLY.
Abracon does not guarantee the availability of all products with combination of parameters as specified above.
Please see details on product pages.

ABRACON IS ISO 9001 / QS 9000 CERTIFIED