

## BRAND SUMMARY

### Timing and Synchronization

Abracon is a leading global manufacturer of passive and electromechanical timing and synchronization solutions. Our team focuses on innovation and service to help engineers transform their ideas into the products of tomorrow. We tackle the toughest design challenges using our broad portfolio of quartz crystals, crystal and MEMS oscillators, real time clocks, and more. As we move towards the future, our products continue to push the boundaries of innovation and design. We welcome new challenges as we develop products for groundbreaking technology and strive to expand the capabilities of existing applications.

**Product Strengths**

Standard Crystals  
Standard Oscillators  
Low Power/Low ESR Crystals  
ClearClock Low Jitter/Phase Noise Optimized Oscillators  
TCXOs/VCTCXOs  
OCXOs  
MEMS Oscillators  
Low Power MEMS Oscillators

**Markets Served**

Automotive  
Industrial/Consumer  
Networking  
Smart Meters  
IoT/Wearables  
RF/Wireless/GPS  
Infrastructure

**Product Strengths**

TCXOs/VCTCXOs  
Standard Crystals  
Standard Oscillators  
MEMS Oscillators  
Automotive Crystals and Oscillators  
VCXOs

**Markets Served**

Smart Meters  
IoT/Wearables  
RF/Wireless/GPS  
Networking  
Automotive

**Product Strengths**

Programmable Oscillators  
MEMS Oscillators  
Standard Crystals  
Standard Oscillators  
Automotive Crystals and Oscillators  
VCXOs

**Markets Served**

Industrial/Consumer  
Infrastructure  
Networking  
Medical  
Automotive

**Product Strengths**

OCXOs  
VCXOs  
Precision Crystals  
Precision Oscillators  
Differential Oscillators

**Markets Served**

Aerospace & Defense  
Industrial  
Infrastructure  
Networking

**Product Strengths**

SAW Resonators  
Ceramic Resonators  
Ceramic Filters  
IF/RF SAW Filters

**Markets Served**

RF/Wireless/GPS  
Communications  
Infrastructure  
Industrial

## PRODUCT TYPE BY BRAND

	CERAMIC RESONATORS	SAW RESONATORS	CERAMIC / SAW FILTERS	QUARTZ CRYSTALS	CRYSTAL OSCILLATORS	MEMS OSCILLATORS	PROGRAMMABLE XO/VCXO/TCXO/VCTCXO	VCXO	VCTCXO	OCXO
ABRACON	●	●	●	●	●	●	●	●	●	●
ILSI				●	●	●	●	●	●	●
ECLIPTEK				●	●	●	●	●		
MMD	●			●	●			●		●
OSCILENT	●	●	●							

## PRODUCT TYPE BY MARKET

	RESONATORS	CRYSTALS	XO/CLOCKS	VCXO	TCXO	OCXO
COMPUTERS & PERIPHERALS	●	●	●			
LANS		●	●			
AUTOMOTIVE		●	●			
MEDICAL	●	●	●			
WIRELESS		●		●	●	●
MICROWAVE			●	●	●	●
VIDEO CARDS			●	●	●	●
NETWORK TIMING & SYNCHRONIZATION			●	●	●	●
TELECOMMUNICATIONS			●	●	●	●
SATELLITE				●	●	●
TEST EQUIPMENT			●	●	●	●
INDUSTRIAL CONTROLS			●	●	●	
WANS			●			
AVIATION			●	●	●	