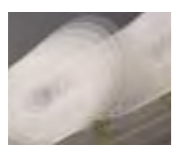


Citizen Products and Technology in Use Here, There and Everywhere

Citizen's wide ranging business activities make it an integral part of society. Citizen products and services play a crucial role behind the scenes of our day to day lives.

Glass substrates for Hard Disk Drives (notebook computer)




Applied used of watch glass polishing and cutting technology

Zirconia ceramic parts for optical communicator (Optical Network Unit)




Used in connectors for fiber optic cables

Digital Thermometer, Digital Blood Pressure Monitor




Designed with clear displays for ease of use

CO Gas sensor (Boiler)



Used to detect carbon monoxide leaks

High reliable Liquid Crystal Display (Gas meters)



Durable specifications even at high temperature and humidity

Quartz Crystal Devices (Television, Video Tape Recorder, Consumer Home Electronics)



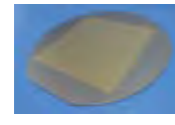
Reference signals used to ensure that electronic equipment is functioning correctly

Electronic dictionary



Used to store Japanese and bilingual Japanese-English dictionary data and medical, health-related and general information

Thin-film submount (Blue-ray disc recorder)



Ceramic substrates with superior heat radiation properties

LCD for aberration compensator (Blue-ray disc recorder)



Used to improve disc reading and writing performance

CNC-Automatic lathe



Machinery used to grind metal to make high-precision components

Hardness Tester for soft materials



Meters used to measure the hardness of soft materials

Measuring instruments



Instruments used to accurately measure small components

Coreless Motor, Gear Head, Encoders



Used in sockets on robots, etc.

LCOS* (Projector)



Used in video engines due to high definition and picture quality

POS Thermal Printers



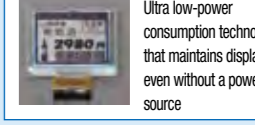
Used to issue receipts, coupons and tickets

Photo Printer



Enabling easy photo printing at locations such as supermarkets and photo stores

Memory Liquid Crystal Display (Electrical price tags)



Ultra low-power consumption technology that maintains display even without a power source

Automotive Components




Manufacturing components for ABS, engines, etc.

LED backlight unit (Car navigation)




Used in the development of slimmer, energy saving car navigation systems

Leisure Facilities



Operating bowling alleys and ice rinks in the Tokyo area

Combustion Pressure Sensor (Ship)



Fitted inside engine cylinders to measure combustion pressure

Time control system



Clocks fitted to buildings or other exterior surfaces, often cherished as symbols representing the local area

Marriage Ring



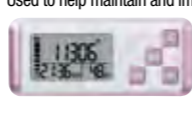
Scratch resistant rings that keep their shape

Watch (Eco-Drive)




First watch to be granted Eco-Mark certification (1996)

Digital Pedometer



Used to help maintain and improve health, can be attached to a computer to manage data

LED (Lighting)



Low-energy consumption, long life, mercury free, environmentally friendly lighting

Gyro Sensor (Digital still camera)




Image stabilization for Digital Still Camera

Liquid Crystal on Silicon* (Digital still camera (Hi-zoom))



Used in viewfinders, slimmer and more compact than optical equivalent

Compact switch (Digital still camera)



Used for shutter switches, etc.

LED (Cellular Phone)




Used for key lights, camera flashes and backlights on mobile phones, etc.

Quartz Crystal Devices (Cellular Phone)



Essential for receiving and sending signals to ensure uninterrupted conversation

Sports timer



High visibility magnetic reversal displays, essential during marathon broadcasts

Electronic View Finders (Broadcast & Professional AV Camera Recorder)



High resolution viewfinders capable of catching even fast movements during sporting events

* Short for "Liquid Crystal on Silicon", LCOS are LCD panels that use silicon substrates.