

Citizen Products and Technology in Use Here, There and Everywhere

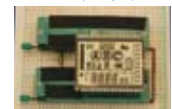
Citizen's wide ranging business activities make it an integral part of society. Citizen products and services play a crucial role behind the scenes of our day-to-day lives.

25 Zirconia ceramic parts for optical communicator (Optical Network Unit)



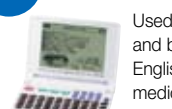
Used in connectors for fiber optic cables

24 Highly reliable Liquid Crystal Display (Gas meters)



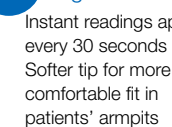
Durable specifications even at high temperature and humidity

23 Electronic dictionary



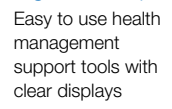
Used to store Japanese and bilingual Japanese-English dictionary data and medical, health-related and general information

22 Digital thermometer



Instant readings approximately every 30 seconds
Softer tip for more comfortable fit in patients' armpits

Digital blood pressure monitor



Easy to use health management support tools with clear displays

21 Quartz Crystal Devices (Consumer Home Electronics)



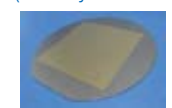
Reference signals used to ensure that electronic equipment is functioning correctly

20 LCD optical element (Blu-ray disc recorder)



Used to improve disc reading and writing performance

LD* submount (Blu-ray disc recorder)



Ceramic substrates with superior heat radiation properties

19 Quartz Crystal Devices (Mobile Phones)



Used to produce regular signals in time with actions when on standby

LED (Mobile Phones)



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

Electronic Paper (Mobile Phones)



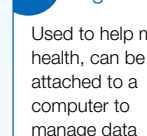
World's first electronic paper keypad, harnessing the memory capabilities and flexible properties of electronic paper

18 Glass substrates for Hard Disk Drives (notebook computer)



Cutting-edge glass processing (precision cutting, polishing and cleaning), also used for portable music players and car navigation systems

17 Digital Pedometer



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

16 NC automatic lathe



Machinery used to grind metal to make high-precision components

Measuring instruments



Instruments used to accurately measure small components

Coreless Motor, Gear Head, Encoders



Used in electronic microscopes, radiotherapy equipment, robots, etc.

15 Photo Printer



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

4 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.

PN liquid crystal (single lens reflex camera)



Liquid crystal used to display focus area within viewfinders

5 Marriage Ring



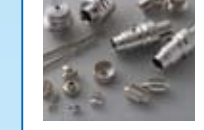
Scratch resistant rings that keep their shape

6 Sports timer



High visibility magnetic reversal displays, essential during marathon broadcasts

7 Automotive Components



Manufacturing components for use in ABS brakes, airbags, engines, etc.

LED backlight unit (Car navigation)



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

8 Electronic View Finders (Professional AV Camera Recorder)



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

9 Time control system



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

10 LCOS* (Projector)



Used in video engines due to high definition and picture quality

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

11 LED (Lighting)



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

12 Self-service ordering system



Enables restaurant customers to order from menu touch screens at their tables

13 Memory Liquid Crystal Display (Electrical price tags)



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

14 POS Thermal Printer



Used to issue receipts, coupons and tickets



* Laser diode (laser made from semiconductor diodes)