

Di Rectifier Diodes
RR255M-400 ($V_{RM}=400V, I_O=0.7A$)

- Rectifier diode is in the package smallest of its kind (2.6x1.6mm), suitable for the strobe, withstanding the same surge of 150A(I_{FSM}) as the conventional model.

	RR255L-400 (4526 size)	RR255M-400 (2616 size)
I _O	1.0A	0.7A
V _{RM}	400V	400V
I _{FSM}	150A	150A

R High Voltage Resistance Chip Resistors
KTR03 series
KTR10 / KTR18 series

- Max. voltage per element is enhanced more than twice.

Series	Part Number	Voltage
KTR03 (1608 [0603])	350V	350V
	400V	400V
KTR10 (2012 [0805])	400V	400V
	500V	500V
KTR18 (3216 [1206])	400V	400V
	500V	500V

Reduces the number of general purpose resistors in strobe circuits.

S Transmission Type Photointerrupters
NEW RPI-0126

- Ultra-compact surface mount type – 62% smaller in volume than the conventional product (RPI-0125).
- Gap size 1.2mm
- Ultra-compact while maintaining the same gap size as conventional products.

LED Chip LEDs
NEW <PICOLED™> SML-P1□ series (1.0x0.6mm, t=0.2mm)

- 53% smaller surface area and 74% less volume than SML-412(1.6x0.8mm, t=0.4mm).

NEW <EXCELED™> SML-D1□ series (1.6x0.8mm, t=0.55mm)
SML-E1□ series (1.6x0.8mm, t=0.35mm)
SML-A1□ series (1.6x1.15mm, t=0.55mm / Side View)

- 4-element (AlGaInP) chip structure utilized for long life with virtually no brightness degradation.

<Bi-Color> SML-52□ series

- Yellowish-Green / Red, Yellowish-Green / Orange, Yellowish-Green / Yellow

Tr Digital Transistors
DTB5□ / DTD5□ series

- Low V_{CE(sat)}
- Low power consumption prolongs battery life.

Sample digital transistor with R₁=4.7k and R₂=10k

Tc Tantalum Capacitors
TC / TCO / TCT / TCTO / TCFG series

- TCO series...Ultra low ESR
- TCT series...Small & Thin / High capacity / Low ESR
- TCTO series...Small & Thin / High capacity / Ultra Low ESR
- TCFG series...Fail-safe open structure type

A wide lineup is available optimized for a variety of applications.

For eliminating DC/DC converter noise
 For CPU power supply line decoupling
 For LCD driver IC power supply decoupling
 For CCD noise removal

Di Low Capacitance Bi-directional Zener Diodes
RSB12JS2 (V_Z=9.6 to 14.4V)
RSB12W (V_Z=9.6 to 14.4V)
RSB12Z (V_Z=9.6 to 14.4V)

- Low Ct (1pF)
- Low capacitance using ROHM's original technology.

Di Zener Diodes
NEW GDZ series
 World's smallest package: 0603 size (ROHM survey).

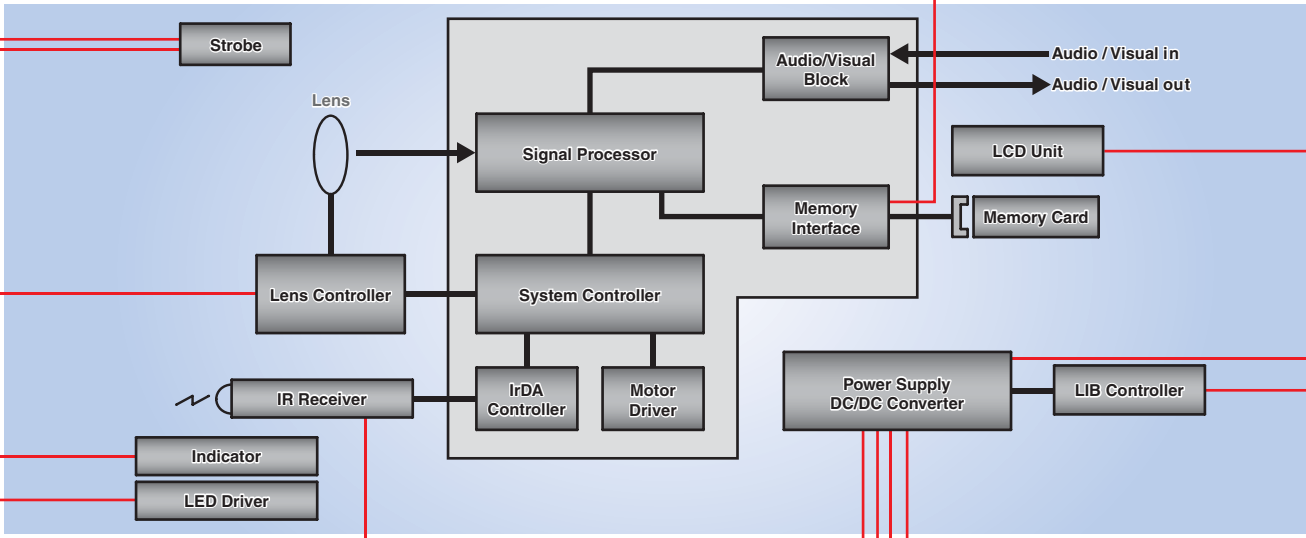
CDZ (Conventional products) VMN2 (1006) vs GDZ 0603

Mounting area reduced by 67%

R Chip Trimmer Potentiometers
MVR21 series

- Ultra-thin 0.75mm
- Thin and easy to use
- Easy to turn – eliminates the need for a specialized screwdriver.
- Units with a stopper also available that prevents sudden resistance changes, protecting the circuit.

Screwdriver insertion depth 1.5 times greater



Rm IrDA Infrared Communication Modules (FIR-compatible)
NEW RPM973-H11 (FIR-compatible)

- World's smallest package (ROHM survey)
- Compliant with fastest FIR(4Mbps) standard, which enables high-speed transmission of image data.

Rm Remote Control Receiver Modules
NEW RPMS1001-H19 series

- The industry's smallest mounting area (ROHM survey)
- 1/3 the volume of competitor products.
- Optical design strong against ambient (sun)light.

Em Tree-terminal EMI Filters
NEW MCF18 series (1608 [0603] size)

- 4A rated current in the 1608 [0603] size
- Ultra-low internal resistance (10m -20m)

Ideal for noise reduction in DC / DC converters, IC power supply lines, signal lines, and the like.

Tr MOSFETs
NEW RUF015N02 (20V, 1.5A / TUMT3 : 1.8V drive)
RTL030P02 (-20V, -3A / TUMT6 : 2.5V drive)
NEW QS5U34 (20V, 1.5A / TSMT5 / Nch + SBD : 1.8V drive)

- Thin high power package (TUMT / TSMT)
- New lead frame material used for greater power.

Di Schottky Barrier Diodes
RSX101VA-30 (V_{RM}=30V, I_O=1A)
RSX071VA-30 (V_{RM}=30V, I_O=0.7A)
RSX051VA-30 (V_{RM}=30V, I_O=0.5A)

- Low V_F & Low I_R
- High performance achieved utilizing ROHM's original technology.

Tr MOSFETs (1.8V drive)
NEW RUM003N02 (V_{DSS}=20V, I_D=0.3A)
NEW RUE003N02 (V_{DSS}=20V, I_D=0.3A)
NEW EM6K6 (V_{DSS}=20V, I_D=0.3A : Dual)

Enables direct driving with a single chip while reducing power consumption and simplifying circuit design.

R Fixed Thick Film Low Ohmic Chip Resistors
Under development UCR10 series

- High power (0.33W) in a 1212 [0805]-sized package
- Ultra-low resistance (from 10m) significantly reduces loss
- Features the same high reliability construction as our conventional market-proven products (MCR series)

R Ultra Low Ohmic Chip Resistors for Current Detection
NEW PMR03 series

- Ultra-low ohmic (10 m) resistors in the 1608 [0603] size.
- 0.25W rated power
- Improved power, heat dissipation characteristics due to novel trimless design.
- Superior Temperature Coefficient of Resistance (TCR): ±150ppm/ C
- Special alloy ensures stable low TCR characteristics.