Copier/Printer System Solution

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Device lineup



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Page introducing LSIs



Page introducing opto-analog devices (1)



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Page introducing opto-analog devices (2)



IRM065U7 (Under development) Compatible with IEEE 802.11a/b/g standards · Low dissipation current (2.4 GHz band: 130 mA, 5 GHz band: 160 mA) · Output power: 18 dBm, Gain

(2.4 GHz band: 29 dB, 5 GHz band: 30 dB) · Built-in detection output and matching circuit

For wireless LAN

· Low dissipation current

Output power: 18 dBm, Gain

IRM046U7

2.4 GHz/5 GHz dual-band compatible

Compatible with IEEE 802.11a/b/g standards

(2.4 GHz band: 105 mA, 5 GHz band: 140 mA)

(2.4 GHz band: 30 dB, 5 GHz band: 25 dB) Detection output
Package: 24HQFN 4 x 4 mm

low power consumption power amplifier

(IN/OUT) Package: 16HQFN 3 x 3 mm

For circuit voltage stabilization Low power-loss voltage regulator PQxxxRDA1SZH Series

. Low-loss (Minimum voltage difference between input/output: MAX. 0.5 V) 1 A output

· Built-in overcurrent protection and overheat



CMOS chopper regulator (Bootstrap system) PQ1CX41H2ZPQ

 Surface mount (SOP 8-pin) package, Outline dimensions: 5.0 x 6.2 x 1.5 mm · High efficiency (TYP. 90%)

- Switching current: MAX. 1.5 A
- · High oscillation frequency

• Wide operating temperature range (-40 to +105 °C)

Compact chopper regulator PQ1CZ41H2ZxH Series

· PWM system chopper regulator

· High-frequency oscillation type (Oscillation frequency: TYP. 300 kHz) With soft start function
Enables output ON/OFF control

· Built-in overheat and overcurrent protection functions

RoHS compliant



For remaining paper detection

Distance measuring sensor GP2Y0D21YK0F

LD driver/

controller

Optical

section

Paper transfer

section

· Integrated PSD*, infrared LED and signal processing circuit



Laser

diode

Fixing

section

Lens

For isolation of high/low voltage side of standard power supply and transmission signals approved/ compliant Photocoupler approved by safety standard

Paper cassette

Process controller

Mechanical control section

Power supply

circuit

Safety

PC123 Series · European safety standards compliant Internal isolation thickness: 0.4 mm MIN.

 PC123J00000F Creepage distance: 6.4 mm MIN. Clearance: 6.4 mm MIN.

· PC123FJ0000F Creepage distance: 8 mm MIN. Clearance: 8 mm MIN.

BoHS compliant

Developing

section

· Equipped with output ON/OFF control function

protection functions, built-in ASO protection circuit · RoHS compliant

- Chip employing CMOS process

- RoHS compliant

· Wide operating temperature range (-40 to +85 °C)



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- (Oscillation frequency: TYP. 400 kHz)
- · Compatible with ceramic capacitors

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Page introducing LEDs, laser diodes, TFT-LCD modules and RF devices

For image reading light source **High-luminosity LED GM5WA06270A**

- · Equipped with 3 chips: red, green and blue · Color reproduction is good due to 3 individual
- wavelength components
- High-luminosity 3.0 cd (IF=35 mA)
- Outline dimensions: 6.0 x 5.0 x 2.4 mm [thickness]



For backlight White side-emitting/ 0.35 mm chip LED GM4BW84320A (White)

Outline dimensions: 2.8 x 1.2 x 0.8 mm [thickness]

GM1xx35200 Series

 Outline dimensions: 1.6 x 0.8 x 0.35 mm [thickness] GM1JV35200AE Series: High-luminosity AlGaInP GM1BC35372AC: High-luminosity blue (InGaN) · GM1EG35200A: General applications, Yellow-green



Original sheet feed unit Operation/Display Wireless LAN/ section IR communication Document reading & Operation Display Document detection controller CCD Binary image H/D Memory I/F orocessina secti Multiple image CPU processing sectior SDRAM SDRAM Optical section RET SDRAM Flash memory SRAM CGROM EEPROM SDRAM Mirror Process controller Laser LD driver/ Optical section controller diode Mechanical control section Lens Paper transfer Fixing Developing Power supply Paper cassette section section circuit section



For image display **Transmissive TFT-LCD module** LQ085Y3DG06 [8.5"] (WVGA) • Dot format: 800 x RGB x 480 dots

· CCFT: 1 lamp built-in · CMOS: 6-bit

LQ104V1DG51 [10.4"] (VGA)

 Dot format: 640 x RGB x 480 dots · CCFT: 2 lamps built-in

· CMOS: 6-bit

LQ104S1DG31 [10.4"] (SVGA)

• Dot format: 800 x RGB x 600 dots · CCFT: 2 lamps built-in

· CMOS: 6-bit

For power supply Switching power supply with integrated high/low-voltage circuits (Custom design)

- Switching power supply system: Pulse width control system
- High-voltage part, input voltage: DC 24 V
- · High-voltage part, output voltage:
- DC+5.5 kV, +280 µA/-5.5 kV, -560 µA, etc.
- Low-voltage part, input voltage: AC 100 V, 120 V, 230 V Low-voltage part, output voltage: DC 24 V, 5 V, 3.3 V
- · Power capacity: 184 W



For photosensitizing transfer drum Laser diode	GH07810C2K • Single mode • Wavelength: 785 mm (TYP.) • Output: 10 mW (MAX.)* (5 to 10 mW) * Output can be adapted to suit customer needs. Bo	GH07825C2K • Single mode • Wavelength: 790 mm (TYP.) • Output: 25 mW (MAX.)* (to 25 mW) th common-anode and common-cathode types are availa