



Product Guide

To The Next
Generation

NIDEC COPAL ELECTRONICS CORP.

Trimmer potentiometers

S : SMD type
T : Through hole pin type

S



ST-2

- Adjustment turns: 1 turn
- Sealed
- Resistance range: 100~1MΩ
- Resistance tolerance: ±20%
- Power rating: 0.1W (70°C), 0W (125°C)
- Dimensions: 2.4×1.7×2.8mm

S



ST-32

- Adjustment turns: 1 turn
- Sealed
- Resistance range: 10~2MΩ
- Resistance tolerance: ±20%
- Power rating: 0.125W (70°C), 0W (125°C)
- Dimensions: 3.4×2.0×3.4mm

S



ST-4/ST-42

- Adjustment turns: 1 turn
- Sealed
- Resistance range: 10~2MΩ
- Resistance tolerance: ±20%
- Power rating: 0.25W (70°C), 0W (125°C)
- Dimensions: 5.0×2.3×4.5mm

S



ST-5

- Adjustment turns: 14 turns
- Sealed
- Resistance range: 10~2MΩ
- Resistance tolerance: ±10%
- Power rating: 0.25W (85°C), 0W (120°C)
- Dimensions: 6.75×4.3×6.0mm

S



ST-7

- Adjustment turns: 3 turns
- Sealed
- Resistance range: 50~1MΩ
- Resistance tolerance: ±20%
- Power rating: 0.25W (70°C), 0W (125°C)
- Dimensions: 6.4×3.4×6.1mm

S



SM-3/SM-31

- Adjustment turns: 11 turns(SM-3) / 5 turns(SM-31)
- Sealed
- Resistance range: 50~2MΩ
- Resistance tolerance: ±20%
- Power rating: 0.125W (70°C), 0W (150°C)
- Dimensions: 3.2×3.9×3.9mm

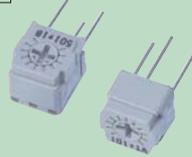
S



SM-42/SM-43

- Adjustment turns: 11 turns(SM-42) / 5 turns(SM-43)
- Sealed
- Resistance range: 10~2MΩ
- Resistance tolerance: ±10%
- Power rating: 0.25W (85°C), 0W (150°C)
- Dimensions: 3.9×5.3×4.8mm

T



FT-63

- Adjustment turns: 1 turn
- Sealed
- Resistance range: 10~2MΩ
- Resistance tolerance: ±10%
- Power rating: 0.5W (70°C), 0W (125°C)
- Dimensions: 7.0×5.8×7.0mm

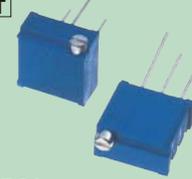
T



CT-6

- Adjustment turns: 1 turn
- Sealed
- Resistance range: 10~2MΩ
- Resistance tolerance: ±10%
- Power rating: 0.5W (70°C), 0W (120°C)
- Dimensions: 7.0×5.8×7.0mm

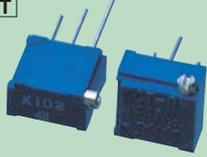
T



CT-94

- Adjustment turns: 18 turns
- Sealed
- Resistance range: 10~2MΩ
- Resistance tolerance: ±10%
- Power rating: 0.5W (70°C), 0W (125°C)
- Dimensions: 4.8×9.6×9.6mm

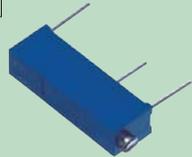
T



CT-9

- Adjustment turns: 18 turns
- Sealed
- Resistance range: 10~2MΩ
- Resistance tolerance: ±10%
- Power rating: 0.5W (70°C), 0W (125°C)
- Dimensions: 5.5×9.6×9.6mm

T



CT-20

- Adjustment turns: 15 turns
- Sealed
- Resistance range: 10~5MΩ
- Resistance tolerance: ±10%
- Power rating: 0.5W (70°C), 0W (120°C)
- Dimensions: 5.0×6.4×19mm

T



TM-7

- Adjustment turns: 3 turns
- Sealed
- Resistance range: 50~2MΩ
- Resistance tolerance: ±10%
- Power rating: 0.5W (70°C), 0W (120°C)
- Dimensions: φ7.2×6.9mm

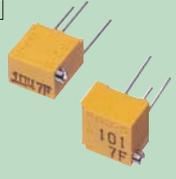
T



RJ-4

- Adjustment turns: 3 turns
- Sealed
- Resistance range: 10~2MΩ
- Resistance tolerance: ±10%
- Power rating: 0.5W (70°C), 0W (120°C)
- Dimensions: φ4.9×4.5mm

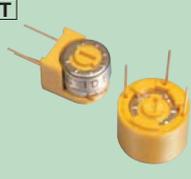
T



RJ-5

- Adjustment turns: 14 turns
- Sealed
- Resistance range: 10~2MΩ
- Resistance tolerance: ±10%
- Power rating: 0.25W (85°C), 0W (120°C)
- Dimensions: 4.3×6.75×6.0mm

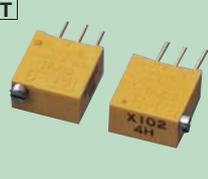
T



RJ-6

- Adjustment turns: 1 turn
- Sealed
- Resistance range: 10~5MΩ
- Resistance tolerance: ±10%
- Power rating: 0.5W (70°C), 0W (120°C)
- Dimensions: φ7.0×5.8mm

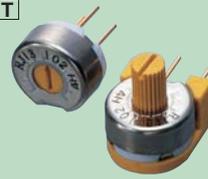
T



RJ-9

- Adjustment turns: 18 turns
- Sealed
- Resistance range: 10~5MΩ
- Resistance tolerance: ±10%
- Power rating: 0.5W (70°C), 0W (120°C)
- Dimensions: 4.7×9.7×9.0mm

T



RJ-13

- Adjustment turns: 1 turn
- Sealed
- Resistance range: 10~5MΩ
- Resistance tolerance: ±10%
- Power rating: 0.75W (70°C), 0W (120°C)
- Dimensions: φ12.4×6.3mm

Attenuators, Mixed signal devices

Attenuators



T2114/T2710

- Step type variable attenuators
- For speech equipments of 600Ω
- Corresponds to the unbalanced circuit / balanced circuit (T2114 only)
- Attenuation: 0.5~8dB (15.5dB total), 1~16dB (31dB total)
- Impedance: 600Ω
- Rated Power: 50 mW
- Frequency: DC~150kHz

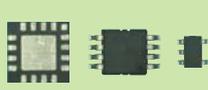
Digital potentiometers



DP series

- Digital controlable potentiometers
- Automatic adjustment possible by automatic adjustment
- Non-volatile wiper storage
- Low power CMOS technology
- Number of taps: 16/32/64/100/128/256
- Package: SOT-23/MSOP/SOIC/TSSOP/TDFN

White LED drivers



W series

- Driver ICs for activating white LEDs
- Small size and low-profile package
- Available types: 1. Simple LED activation
- 2. Individual activation of 4 separate LEDs
- 3. Activation of grouped 6 LEDs
- Applications: Lighting for automotive instrument panel, Camera flash, LCD/Keypad backlighting for hand-held electronics devices
- Package: SOIC/SOT-23/MSOP/TDFN/DFN

Current sensors

Current Sensors



C-CT

- AC0.1~200A, 4 types lineup
- Output linearity outstanding
- Compact, so easy installation in distributing box
- Clamp-on type, so also supports the existing box



C-DCZCT

- Small DC current's measurements: DC1~200mA
- High accuracy: ±1%FS ±20mV
- Least influence of magnetization: Less than DC1mA in current level
- Convenient Single Supply (+5V)

Pressure sensors

Pressure transducers (module only)



P-2000
 ● 0~9.81, ~98.1 kPa, Gauge
 ● Media: non-corrosive gases
 ● Output: 90±40mV
 ● Power: 1.5mADC
 ● Dimensions: 12×11×12.5mm



P-3000S
 ● 0~4.9, ~9.81, ~49, ~98.1, ~490, ~686kPa, Gauge, ±49, ±98.1kPa, Differential, 0~34.3, ~98.1kPa, Absolute
 ● Media: non-corrosive gases
 ● Output: 100±30mV
 ● Power: 1.5mADC
 ● Dimensions: □15×21.5mm □17×30.5mm



P-7100
 ● 0~100 kPa, ~100~100 kPa, 0~1 MPa, 0~133.3 kPa abs
 ● Media: gases and liquids
 ● Output: 0.5~4.5 V (ratio metric)
 ● Power: ±0.5 VDC
 ● Dimensions: R type φ 17×27.7 mm
 M5 type φ 17×18.7 mm



P-8300
 ● 0~49, ~98.1, ~343, ~981 kPa Gauge, 0~34.3, ~98.1 kPa, Absolute
 ● Media: gases and liquids
 ● Output: 100±50mV
 ● Power: 1.5mADC
 ● Dimensions: φ 23.5×23.2/10.8mm



P-8305
 ● 0~10 kPa, Gauge
 ● Media: gases and liquids
 ● Output: 25±10 mV
 ● Power: 1.5 mA DC
 ● Dimensions: φ 29.8×7.7 (mm)



P-8505
 ● 0~50, ~100, ~350, 1000kpa, Gauge
 ● Media: gases and liquids
 ● Output: 90±10mV
 ● Power: 1.5mADC
 ● Dimensions: φ 20×15.3mm



PA-20
 ● 0~100kPa, Gauge, ~100~300kPa, Compound
 ● Media: non-corrosive gases
 ● Output: 1~5VDC
 ● Power: 12~24VDC
 ● Dimensions: 10×25.5×20.5mm



PA-100
 ● 0~1, ~2, ~5kPa, Gauge, ±1, ±2, ±5kPa, Differential
 ● Media: non-corrosive gases
 ● (*for low differential pressure)
 ● Output: 0.5~4.5V
 ● Power: 5VDC
 ● Dimensions: 22.5×25×18.1mm



PA-204
 ● 0~5, ~10, ~50, ~100kPa, Gauge
 ● Media: Non-corrosive gases
 ● Output: 0.5~4.5V (ratio metric output)
 ● Power: 5V±0.5V
 ● Dimensions: 19×19×15mm



PA-500
 ● 0~49, ~98.1, ~343, ~490, ~981 kPa, ~9.81kPa, Gauge
 ● Media: gases and liquids
 ● Output: 1~5V
 ● Power: 12~24VDC
 ● Dimensions: φ 28×49.7mm



PA-708
 ● ~100~100, ~300, ~600kPa, Compound
 ● Media: gases and liquids
 ● For ultra high purity aggressive fluids (*PFA pressure port)
 ● Output: 1~5V ● Power: 12~24VDC
 ● Dimensions: φ 45×98mm



PA-750/758
 ● 0~100, ~350kPa, ~1, ~3.5MPa, ~100kPa, Gauge, ~100~100, ~300kPa, Compound, 0~100kPa, Absolute
 ● Media: Gases and liquids
 ● Output: 1~5V/4~20mA
 ● Power: 10.8~30VDC, 24VDC
 ● Dimensions: φ 23.5×61.6/63.5mm



PA-8008
 ● 0~98.1, ~343, ~981, ~98.1kPa, Gauge
 ● Media: gases and liquids
 ● Output: 1~5V
 ● Power: 12~24VDC
 ● Dimensions: φ 28×50.2mm



PA-838-D
 ● 0~10, ~50, ~100kPa, Differential
 ● Media: gases and liquids
 ● Output: 4~20mA
 ● Power: 12VDC
 ● Dimensions: 40×70×79.5mm



PA-830/838
 ● 0~49, ~98.1, ~981kPa, Gauge (PA-838), 0~9.81, ~49, ~98.1, ~343, ~981, ~98.1kPa, Gauge, 0~34.3~98.1, Absolute (PA-830)
 ● Media: gases and liquids
 ● Output: 1~5V/4~20mA
 ● Power: 12~24VDC/24VDC
 ● Dimensions: φ 30×55~59mm



PA-840/848
 ● 0~0.1~0.1, ~0.35 MPa, 0~1.0, ~3.5 MPa, Gauge, 0.1 MPa, Absolute
 ● Output: 1~5 VDC / 4~20 mA
 ● Power: 10.8~26.4 / 21.6~26.4 VDC
 ● High weather resistance thanks to hard connection head
 ● Comply with IP67



PA-850/858
 ● 0~100, ~350, ~1000, ~100kPa, Gauge, ~100~300kPa, Compound, 0~100kPa, Absolute
 ● Media: gases and liquids
 ● Output: 1~5V with 1 switch/4~20mA
 ● Power: 12~24VDC/24VDC
 ● Dimensions: φ 35.2×48~49mm



PA-860/868
 ● 0~5, ~10, ~20, ~35MPa, Gauge
 ● Media: hydraulic oil
 ● Output: 1~5V/4~20mA
 ● Power: 12~24VDC
 ● Dimensions: φ 30×41mm



PA-870/878
 ● 0~2, ~3.5, ~5MPa, Gauge
 ● Media: gases and liquids
 ● Output: 1~5V/4~20mA
 ● Power: 12~24VDC
 ● Dimensions: φ 30×47.5mm



PA-920/928
 ● 0~0.5, 0~1, ~0.1~0.5, ~0.1~1MPa
 ● Media: gases and liquids
 ● Output: 1~5 VDC / 4~20 mA
 ● Power: 12~24 VDC
 ● Fitting: 1.125"W-Seal, 1.125"C-Seal, VC male/female(9/16-18UNF), UJR, TVC(9/16-18UNF)



PA-930 High-temperature type
 ● ~100~100 kPa, 0~1000 KPa, Gauge
 ● Media: gases and liquids
 ● Output: 1~5 VDC
 ● Power: 12~24 VDC
 ● Dimensions: φ 30×91.5 mm



PA-930-A High-temperature type
 ● 0~200 kPa Absolute
 ● Media: gases and liquids
 ● Output: 1~5 VDC
 ● Power: 12~24 VDC
 ● Dimensions: φ 30×101.5 mm



PA-960/968
 ● 0~5, ~10, ~20, ~35, ~50 MPa, Gauge
 ● Media: gases and liquids compatible with 17-4PH (SUS630)
 ● Output: 1~5 VDC / 4~20 mA
 ● Power: 10.8~30 VDC (including ripple)
 ● Comply with IP67 (when mounting connector)

Pressure switches



PS20
 ● 0~100kPa, Gauge, ~100~300kPa, Compound
 ● Media: non-corrosive gases
 ● 1 switch output
 ● Power: 12~24VDC
 ● Dimensions: 10×25.5×20.5mm



PS6
 ● 0~100, ~1000, ~100kPa, Gauge
 ● Media: non-corrosive gases
 ● 2 digits LED
 ● Output: 1~5V with 1 switch, or 2 switch outputs
 ● Power: 12~24VDC
 ● Dimensions: 10×52.5×25mm



PS40
 ● 0~100, ~1000kPa, Gauge
 ● Media: non-corrosive gases
 ● Output: 1~5V with 1 or 2 switch outputs
 ● Power: 10.8~30VDC
 ● Dimensions: 24.8×45×15mm



PS30
 ● 100~100, ~1000kPa, Compound
 ● Media: non-corrosive gases
 ● 2.5 digits LED
 ● Output: 2 switch outputs
 ● Power: 12~24VDC
 ● Dimensions: □30×29mm



PS60
 ● ~100~100, ~3000, ~1000kPa, Compound
 ● Media: non-corrosive gases
 ● 3 digits LED
 ● Output: 2 switch outputs
 ● Power: 12~24VDC
 ● Dimensions: 10×52.5×25mm

Pressure switches



PS8
 ● 0~98.1, ~343, ~981, ~98.1kPa, Gauge
 ● Media: gases and liquids
 ● Output: 2 switch outputs
 ● Power: 12~24VDC
 ● Dimensions: φ 28×50.2mm



PS83
 ● 0~9.81, ~49, ~98.1, ~343, ~981kPa, ~98.1, Gauge, 0~34.3, ~98.1, absolute
 ● Media: gases and liquids
 ● Output: 2 switch outputs
 ● Power: 12~24VDC
 ● Dimensions: φ 30×55~59mm



PS85
 ● ~100~100, ~300, ~1000kPa, Compound
 ● Media: gases and liquids
 ● Output: 2 switch outputs
 ● Power: 12~24VDC
 ● Dimensions: φ 35.2×48~49mm



PS86
 ● 0~5, ~10, ~20, ~35MPa, Gauge
 ● Media: hydraulic oil
 ● Output: 2 switch outputs
 ● Power: 12~24VDC
 ● Dimensions: φ 30×41mm



PS87
 ● 0~3.5, ~5MPa, Gauge
 ● Media: gases and liquids
 ● 1 switch output
 ● Power: 12~24VDC
 ● Dimensions: φ 30×26mm

Handheld digital manometers



PS91
 ● ~100~100kPa, Compound
 ● Media: gases and liquids
 ● 2 switch outputs
 ● Power: 12~24VDC
 ● Dimensions: φ 40×57.5mm



PG-100N
 ● ~10~10, ~100~100, ~1000kPa, Compound
 ● Media: non-corrosive gases
 ● 3.5 digits LCD
 ● Power: 2 AAA dry batteries
 ● Dimensions: 55×110×16.9mm



PG-100B
 ● ~100~100, ~1000kPa, Compound
 ● 0~100kPa, Absolute
 ● Media: Gases and liquids
 ● 3.5 digits LCD
 ● Power: 2 AAA dry batteries
 ● Dimensions: 55×100×16.9mm



PG-100
 ● 0~10, ~100, ~1000kPa, ~100, Gauge
 ● ~10~10, ~100, ~1000kPa, Compound
 ● 0~100kPa, Absolute
 ● Media: non-corrosive gases
 ● 3.5 digits LCD
 ● Power: 3.6VDC (Lithium battery)
 ● Dimensions: 60×90×20mm

Pressure gauges



PG-20
 ● 0~0.5, ~1MPa, Gauge, ~0.1~0.5MPa, ~1MPa Compound
 ● Media: gases and liquids
 ● 3.5 digits LED
 ● Output: 1~5V/4~20mA with 1 switch output or 2 switch outputs
 ● Power: 24VDC/12~24VDC
 ● Dimensions: □38×135mm/□28×127mm



PG-30
 ● ~10~10, ~100~100, ~1000kPa, Compound
 ● Media: non-corrosive gases
 ● 3 digits LED
 ● Output: 1~5V with 2 switch outputs
 ● Power: 10.8~30VDC
 ● Dimensions: □30×35.5mm



PG-35
 ● ~100~100, ~1000kPa, Compound, 0~100kPa, Absolute
 ● Media: gases and liquids
 ● 3 digits LED
 ● Output: 1~5V with 2 switch outputs
 ● Power: 10.8~30VDC
 ● Dimensions: □30×37mm



PG-35H
 ● 0~1, ~10, ~35MPa, Compound
 ● Media: gases and liquids
 ● 3 digits LED
 ● Output: 1~5V with 2 switch outputs
 ● Power: 10.8~30VDC
 ● Dimensions: □30×37mm



PG-35L
 ● ~100~100, ~1000kPa, Compound
 ● Media: gases and liquids
 ● 3 digits LED
 ● Output: 1~5V with 2 switch outputs
 ● Power: 10.8~30VDC
 ● Dimensions: □30×37mm



PG-75
 ● 0~0.1, ~1, ~3.5MPa, Gauge, ~0.1~0.1, ~1, ~3.5MPa, Compound
 ● Media: gases and liquids
 ● 3.5 digits LED
 ● Output: 1~5V/4~20mA with 2 switch outputs
 ● Power: 10.8~30VDC
 ● Dimensions: 30×37×72mm



PG-200
 ● 0~100, ~1000kPa, Gauge
 ● 0~100kPa, Absolute
 ● Media: non-corrosive gases
 ● 3.5 digits LCD
 ● Output: 0~1V with 1 or 2 switch outputs
 ● Power: 3.6VDC (Lithium battery) / 5~24VDC (External power)
 ● Dimensions: □72×40mm



PG-208
 ● 0~100, ~1000kPa, Gauge
 ● Media: gases and liquids
 ● 3.5 digits LCD
 ● Output: 0~1V with 1 or 2 switch outputs
 ● Power: 3.6VDC (Lithium battery) / 3~24VDC (External power)
 ● Dimensions: □72×40mm

Pressure indicators



PZ-30
 ● Input signal: 1~5V/4~20mA
 ● 3 digits LED
 ● Output: 1~5V/4~20mA with 2 switch outputs
 ● Power: 10.8~30VDC
 ● Dimensions: □31×35mm



PZ-200
 ● Input signal: 1~5V/4~20mA
 ● 3.5 digits LCD
 ● Output: 4~20mA with 4 switch outputs
 ● Power: 12~24VDC
 ● Dimensions: □72×40mm

Liquid leak sensors



WL10
 ● Infrared reflectance method
 ● Media: Water
 ● Power: 12~24VDC
 ● Dimensions: φ 25×10.6mm

Potentiometers

- W** : Wirewound type
- P** : Conductive plastic type
- C** : Cermet type
- O** : Optical contactless type

For manual setting

W



M-1303/1305
 ● Adjustment turns: 3 turns/5 turns
 ● Effective electrical angle: 1080°/1800°
 ● Linearity: ±0.5%
 ● Resistance range: 100~20kΩ
 ● Rotational life: 15000 cycles
 ● Dimensions: φ 13×16.1mm

W



M-22S10/M-22E10
 ● Adjustment turns: 10 turns
 ● Effective electrical angle: 3600°
 ● Linearity: ±0.2%
 ● Resistance range: 100~100kΩ / 1~20kΩ
 ● Rotational life: 25000 cycles
 ● Dimensions: φ 22×18.5mm / φ 22×19mm

C



JP-30B
 ● Adjustment turns: Single
 ● Effective electrical angle: 300°
 ● Resistance range: 500 Ω~100 kΩ
 ● Linearity: ±0.5%
 ● Rotational life: 100 thousand cycles
 ● Dimensions: φ 30×14.5 mm

For sensor

O



JT22
 ● Effective electrical angle: 120°, 360°
 ● Linearity: ±3.0%
 ● Output voltage: 0.5~+4.5V
 ● Rotational life: 100 million cycles
 ● Dimensions: φ 22×15mm

O



JT30
 ● Effective electrical angle: 120°, 360°
 ● Linearity: ±3.0%
 ● Output voltage: 0.5~+4.5V
 ● Rotational life: 100 million cycles
 ● Dimensions: φ 22×15mm

W



J40S/J45S/J50S
 ● Adjustment turns: 1 turn
 ● Effective electrical angle: 353°
 ● Linearity: ±0.1~0.15%
 ● Resistance range: 500~50kΩ
 ● Rotational life: 1~10 million cycles
 ● Dimensions: φ 44.5×16.6mm

W



M22L10
 ● Adjustment turns: 10 turns
 ● Effective electrical angle: 3600°
 ● Linearity: ±0.2%
 ● Resistance range: 1k~20kΩ
 ● Rotational life: 5 million cycles
 ● Dimensions: φ 22×18.5mm

P



MC1003
 ● Adjustment turns: 3 turns
 ● Effective electrical angle: 1080°
 ● Linearity: ±1%
 ● Resistance range: 5k~20kΩ
 ● Rotational life: 1 million cycles
 ● Dimensions: φ 10×12.6mm

For sensor

P



JC10

- Adjustment turns: 1 turn
- Effective electrical angle: 324°
- Linearity: ±2%
- Resistance range: 2k, 5k, 10kΩ
- Rotational life: 5 million cycles
- Dimensions: φ 10×7.6mm

P



JC22E

- Adjustment turns: 1 turn
- Effective electrical angle: 320°
- Linearity: ±1%
- Resistance range: 1k~10kΩ
- Rotational life: 10 million cycles
- Dimensions: φ 22×12mm

P



JC22S

- Adjustment turns: 1 turn
- Effective electrical angle: 340°
- Linearity: ±0.5%
- Resistance range: 200~10kΩ
- Rotational life: 20 million cycles
- Dimensions: φ 22.5×23.8mm

P



JC30S/JC40S

- Adjustment turns: 1 turn
- Effective electrical angle: 343°/345°
- Linearity: ±0.5% / ±0.3%
- Resistance range: 500~20kΩ
- Rotational life: 30 million cycles
- Dimensions: φ 30×17mm/φ 40×20mm

P



CRV16

- Adjustment turns: 1 turn
- Effective electrical angle: 220°+5°
- Linearity: ±1%
- Resistance range: 1k, 2k, 5k, 10kΩ
- Rotational life: 0.5 million cycles
- Dimensions: φ 16.2×6.7mm

P



JCL

- Effective electrical travel: 10~50mm
- Linearity: ±0.5%
- Resistance range: 1k~10kΩ
- Mechanical life: 20 million cycles
- Dimensions: 45~85×18×14mm

P



JCL B

- Effective electrical travel: 100~500mm
- Linearity: ±0.5%
- Resistance range: 1k~10kΩ
- Mechanical life: 4~20 million cycles
- Dimensions: 159~569×22×24mm

C



JP-30

- Adjustment turns: Single
- Effective electrical angle: 300°
- Resistance range: 500~100 kΩ
- Linearity: ±0.5%
- Rotational life: 3 million revolution
- Dimensions: φ 30×14.5 mm

Joystick encoders

Joystick encoders

JOYSTICK

4 or 8 directions



ENCODER

20 pos. (5P/R)



SWITCH

Push-on



CJ25

- Multi-function device...Joystick, encoder, and push switch in one package
- Joystick available in 4 or 8 directions
- 20 positions (5 P/R)
- Long life ... Joystick 500 K cycles, encoder & switch 1 M cycles
- Square wave, A and B phases
- Dimensions: φ 25.4×16.4 mm

Rotary encoders

- O** : Optical contactless type
- M** : Magnetic contactless type
- C** : Contact type

For manual setting

O



REC16K/L/M(K.L. With Click)

- Smooth operational feel, long life
- Input voltage 5VDC
- Square wave, A and B phases
- Resolution: 25 P/R
- Single shaft/Double shaft
- With push switch / without push switch
- Dimensions: □ 16×10.5 mm

O



REC16D/REC16F

- Input voltage: 5VDC
- Square wave, A and B phases
- Resolution: 25 P/R
- With switch Single shaft / Double shaft
- Dimensions: □ 16×10 mm

O



REC16/RES16

- Input voltage: 5VDC
- Square wave, A and B phases
- With push switch (except RES16) / Without push switch
- With click / Without click
- Resolutions: 20, 50 P/R
- Dimensions: □ 16×10mm

O



REC20

- Input voltage: 5VDC
- Square wave, A and B phases
- With click
- Resolutions: 25 P/R
- Dimensions: φ 20×18mm

O



RES20B

- Input voltage: 5VDC
- Square wave, A and B phases
- Without click
- Resolution: 25 P/R
- Dimensions: φ 20×18mm

O



REC20D/RES20D

- Input voltage: 5VDC
- Square wave, A and B phases
- With click/Without click
- Resolution: 25, 50 P/R
- Dimensions: φ 20×11mm

O



REC20D/RES20D

- Input voltage: 5VDC
- Square wave, A and B phases
- With click/Without click
- Resolutions: 25, 50 P/R
- Dimensions: φ 20×11mm
- Panel seal type

M



RMS20(Magnetic)

- Magnetic encoders
- Input voltage: 5VDC
- Square wave, A and B phases
- Without click
- Resolution: 100, 250, 256 P/R
- Dimensions: φ 20×13.5mm

C



MRP

- Input voltage: 10mA 5VDC
- Square wave
- Resolution: 20 P/R
- Dimensions: □ 10×7.5 mm

For sensor

O



RE12

- Ultra-small size
- Input voltage: 5VDC
- Quasi-sinusoidal wave, A phase
- Resolution: 100~300 P/R
- Dimensions: φ 12×12mm

O



RE12D

- Ultra-small size
- Input voltage: 5VDC
- Square wave, A and B phases
- Resolution: 100~300 P/R
- Dimensions: φ 12×15.5mm

O



RE20F

- Input voltage: 5VDC
- Quasi-sinusoidal wave, A phase or A and B phases
- Resolution: 100, 300 P/R
- Dimensions: φ 20×13.4mm

O



RE30E

- Input voltage: 5~12, 24VDC
- Square wave, A, B and Z phases
- Resolutions: 100~1024 P/R
- Dimensions: φ 30×30mm

Motors



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