ORDERING INFORMATION

New JRC ICs are named by New JRC Naming Standard. Please order our ICs by their full names.

New JRC Naming Standard

1. SILICON   IC

1.1 Bipolar : standard   Example : <u>NJM</u> <u>4558</u> <u>M</u> - <u>A</u> <u>(T1)</u>
                                         1   2   3   4   5

Item 1   Classification of items
NJM ---- Bipolar monolithic IC
NJW ---- Bi-CMOS IC

Item 2   Part Number
The name of product is shown by three-digit, four-digit or five-digit number.
In case of substantial modification of circuit or masks, one capital alphabet is added to the name.
Example : NJM2233 → NJM2233B

Item 3   Classification of Package (Refer to the 5. IC Package Code Table)

Item 4   Characteristics Selection and Screening Option
Specially selected product or specially screened product are shown by within two capital alphabets after a hyphen.

Item 5   Taping Form

Symbol	Packing	Note
TX	Adhesive carrier tape	The taping form is shown by two or three-digit alphanumeric character in parentheses
TEX	Emboss carrier tape	

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1.2. POWER SOURCE IC (fixed output voltage type)
   78/79 Series
      Example : <u>NJM</u> <u>78M</u> <u>00</u> <u>FA</u> - <u>B</u> <u>(T1)</u>
                   1   2   3   4   5   6

   Item 1   Classification of items
            NJM ---- Bipolar monolithic IC

   Item 2   Part Number
            The name of product is shown by two-digit number and one capital alphabet.

   Item 3   Output Voltage
            The output voltage is shown by two-digit number.

   Item 4   Classification of Package (Refer to the 5. IC Package Code Table)
            NJM78L/79L only
            Output Voltage Accuracy
            The output voltage accuracy is shown by one capital alphabet after package type mark.

   Item 5   Characteristics Selection
            Specially selected product is shown by within two-digit capital alphabet after a hyphen.

   Item 6   Taping Form
            The taping form is shown by two or three-digit alphanumeric character in parentheses.

   1.3   78LR (Series Regulator with Reset Function) Series
      Example : <u>NJM</u> <u>78LR</u> <u>05</u> <u>B</u> <u>M</u> - <u>B</u> <u>(T1)</u>
                   1   2   3   4 5   6   7

   Item 1   Classification of items
            NJM ---- Bipolar monolithic IC

   Item 2   Part Number
            Series Regulator with Reset Function is shown by "78LR".

   Item 3   Output Voltage
            The output voltage is shown by two-digit number.

   Item 4   Reset Threshold Voltage
            The reset threshold voltage is shown by one capital alphabet.

   Item 5   Classification of Package(Refer to the 5. IC Package Code Table)
            Output Voltage Accuracy
            The output voltage accuracy is shown by one capital alphabet after package type mark.

   Item 6   Characteristics Selection Option
            Specially selected product is shown by within two-digit capital alphabet after a hyphen.

   Item 7   Taping form
            The taping form is shown by two or three-digit alphanumeric character in parentheses.

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1.4 C-MOS : standard   Example : <u>NJU</u> <u>6408B</u> <u>FG1</u> – <u>00</u> , <u>NJU</u> <u>6391A</u> <u>E</u> <u>(T1)</u>
                              1   2   3   4   1   2   3 5

Item 1 Classification of items
      NJU ---- C-MOS IC ,   NJW ---- Bi-CMOS IC

Item 2 Part Number
    The name of product is shown by three-digit, four-digit or five-digit number and one capital alphabet (series product only).
    Example : NJU6391A/91B/91C
    In case of substantial modification of circuit or masks, one capital alphabet is added to the name.
    Example : NJU6408 → NJU6408B

Item 3 Classification of Package (Refer to the 5. IC Package Code Table)

Item 4 ROM Code and Screening Option

    Screening Product   : Screening level is shown by one capital alphabet after a hyphen.
    LCD Controller Driver : ROM code is shown by two-digit alphanumeric character after a hyphen.
    VFD Controller Driver : ROM code is shown by two-digit alphanumeric character after a hyphen.

Item 5 Taping Form

Symbol	Packing	Note
TX	Adhesive carrier tape	The taping form is shown by two or three-digit alphanumeric character in parentheses
TEX	Emboss carrier tape	

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1.5 LCD CONTROLLER DRIVER

Example1 : <u>NJU</u> <u>6408B</u> <u>FG1</u> - <u>00</u> ,   Example2 : <u>NJU</u> <u>6678A</u> <u>CL</u> - <u>G</u> - <u>CT3</u>
             1   2   3   4   1   2   3   4   5

Item 1   Classification of items
      NJU --- C-MOS IC

Item 2   Part Number
      The name of product is shown by four-digit number, and one or two capital alphabet (series product only).
      Example : NJU6678A/NJU6678B
      In case of substantial modification of circuit or masks, one capital alphabet is added to the name.
      Example : NJU6408 → NJU6408B

Item 3   Classification of Package (Refer to the 5. IC Package Code Table)

Item 4   ROM Version
      The ROM version is shown by two-digit number after a hyphen.

Item 5   Chip Thickness
      The Chip Thickness is shown by one capital alphabet after a hyphen.
         Chip Thickness)   400μm: no description
                                260μm: C
                                625μm: Z
                                675μm: G

Item 6   Tray Form
      The Tray form is shown by two capital alphabet and one digit number after a hyphen.

Symbol	Tray form	Chip tray
CT1	One side tray	←——— Chip mounting side
CT2	Both side tray	←——— Chip mounting side
CT3	Both side tray	←——— Chip mounting side

1.6 C-MOS,and Bip Others

Example1 : <u>NJM</u> <u>2370</u> <u>U</u> <u>05</u> <u>(TE1)</u> ,   Example2 : <u>NJU</u> <u>7201</u> <u>L</u> <u>00</u> <u>(T1)</u>
                      1   2   3 4   5   1   2 34   5

Item 1   Classification of items   NJM ---- Bipolar monolithic IC ,   NJU ---- C-MOS IC

Item 2   Part Number   The name of product is shown by four-digit number.

Item 3   Classification of Package (Refer to the 5. IC Package Code Table)
      Output Voltage Accuracy
      The output voltage accuracy is shown by one capital alphabet after package type mark.

Item 4   Output Voltage
      The output voltage is shown by two-digit number.

Item 5   Taping form
      The taping form is shown by two or three-digit alphanumeric character in parentheses.

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3. GaAs IC
    Example : NJG 1505 R (TE1)
                    1   2   3   4

Item 1   Classification of items
            NJG –––– GaAs IC

Item 2   Part Number
            The name of product is shown by four-digit number. In case of substantial modification of circuit or masks, one
        capital alphabet is added to the name.

Item 3   Classification of Package (Refer to the 5. IC Package Code Table)

Item 4   Taping Form
            The taping form is shown by two or three-digit alphanumeric character in parentheses.

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4. OPTOELECTRONIC DEVICE
  4.1 Optoelectronic Device (except Infrared Remote Control Receiver)
    Example 1 : NJL 5197 K -K -F20 (TE1)
               1   2   3 4   5   6
    Example 2 : NJL 5181 K A –F10 (TE1)
               1   2   3 4   5   6

    Item 1   Classification of items
               NJL ---- Optoelectronic Device

    Item 2   Part Number
               The name of product is shown by four-digit number.

    Item 3   Classification of Package

    Item 4   Characteristics Selection
               Specially selected product is shown by within two-digit capital alphabet after a hyphen.
               (Example 1)
               But rank of output current is shown by within two-digit capital alphabet without hyphen.
               (Example 2)

    Item 5   Lead Form
               Special lead form is shown by only "F", or "F" with one or two digit-number after a hyphen.

    Item 6   Taping Form
               The taping form is shown by two or three-digit alphanumeric character in parentheses.

  4.2 Infrared Remote Control Receiver
    Example   : NJL 61 H 380 A F3
                 1   2 3 4   5 6

    Item 1   Classification of items
               NJL ---- Optoelectronic Device

    Item 2   Part Number
               The name of product is shown by two-digit number.

    Item 3   Classification of View
               H : Top
               V : Side

    Item 4   Center Carrier Frequency
               Center carrier frequency is shown by three-digit number.
               Example : 380   38.0KHz

    Item 5   Characteristics Selection
               Specially selected product is shown by one capital alphabet.

    Item 6   Lead Form
               Special lead form is shown by one capital alphabet with one digit-number.

5. IC Package Code Table

The Codes are names defined in New JRC.

Code	Package Name	Note
C	Chip	
CL	Bumped Chip (Bump Height : 15μm)	
CJ	Bumped Chip (Bump Height : 17.5μm)	
CH	Bumped Chip (Bump Height : 25μm)	
CU	Bumped Chip (Bump Height : 45μm)	
D×	DIP	"x" : Mold Size (Blank or One-digit Number)
DL×	TO-252 (Forming Type, JEDEC Type)	"x" : Mold Size (Blank or One-digit Number)
E×	EMP	"x" : Mold Size (Blank or One-digit Number)
F	TO-220F (3,4,5,7pin)	
FL	TO-220F (4,5,7pin) Forming Type	
F×	SOT-23 (MTP), SC-88A	"x" : Lead Pitch (Blank or One-digit Number)
FΔ×	QFP, PLCC	"Δ" : Mold Size(One-Capital Alphabet) "x" : Lead Length (One-digit Number)
G	SOP	
HΔ×	TAB	"Δ x" : Circuit Pattern or Material (Two-digit Number)
HΔ×	USB	"Δ" : Mold Size(One-Capital Alphabet) "x" : Lead Pitch(One-digit Number or One-Capital Alphabet)
JΔ×	Applied to only NJG Series	"Δ" : Package (One-digit Number or One-Capital Alphabet) "x" : Package Specification (One-digit Number)
KΔX	FLP, SON, QFN	"Δ" : Mold Size(One-Capital Alphabet) "x" : Lead Pitch(One-digit Number) 1: 0.5mm Pitch 2: 0.65mm Pitch 3: 0.95mm Pitch 4: 0.4mm Pitch
L	SDIP	Lead Pitch 1.778mm
L	SIP-8, LTCC	
L×	TO-92	Except NJM78L,79L Series "x" : Package Specification (One-digit Number)
M	DMP, SDMP	
PΔ×	FFP	"Δ" : Mold Size(One-Capital Alphabet) "x" : Lead Pitch(One-digit Number)
RΔ×	VSP, TVSP	"Δ" : Mold Size(One-Capital Alphabet) "x" : Lead Pitch(Blank or One-digit Number)
SΔ×	PCSP	"Δ" : Mold Size(One-Capital Alphabet) "x" : Lead Pitch and Terminal Shape (One-digit Number or One-Capital Alphabet)
Blank	TO-220 (3pin)	
TΔ×	TO-220 (5pin)	"Δ" : Mold Size(One-Capital Alphabet) "x" : Lead Pitch(Blank or One-digit Number)
TL	TO-220 (5pin)	Forming Type
T××	COF	"x x" : Circuit Pattern or Material (Two-digit Number)
U×	SOT-89	"x" : Lead Width(Blank or One-digit Number)
VΔX	SSOP	"Δ" : Mold Size(One-Capital Alphabet) "x" : Lead Pitch(Blank or One-digit Number)
W	Wafer	
WH	Wafer (with Bump)	
WS	Scribed Wafer	
Z	ZIP-16	