DMA26101

Silicon PNP epitaxial planar type

For digital circuits

■ Features

- Contributes to miniaturization of sets, reduction of component count.
- Eco-friendly Halogen-free package

■ Basic Part Number

Dual DRA2114E (Common emitter)

Packaging

Embossed type (Thermo-compression sealing): 3000 pcs / reel (standard)

■ Absolute Maximum Ratings $T_a = 25$ °C

| Parameter | Symbol | Rating | Unit |
|---------------------------------------|------------------|-------------|------|
| Collector-base voltage (Emitter open) | V _{CBO} | -50 | V |
| Collector-emitter voltage (Base open) | V _{CEO} | -50 | V |
| Collector current | I_{C} | -100 | mA |
| Total power dissipation | P_{T} | 300 | mW |
| Junction temperature | T _j | 150 | °C |
| Storage temperature | T _{stg} | -55 to +150 | °C |

■ Package

Code

Mini5-G3-B

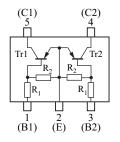
• Pin Name

1: Base (Tr1) 4: Collector (Tr2) 2: Emitter (Common) 5: Collector (Tr1)

3: Base (Tr2)

■ Marking Symbol: E0

■ Internal Connection



| Resistance value | R ₁ | 10 | kΩ |
|------------------|----------------|----|----|
| | R ₂ | 10 | kΩ |

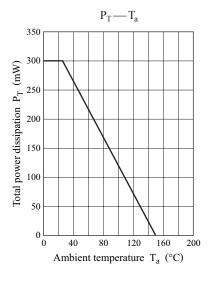
■ Electrical Characteristics $T_a = 25$ °C±3°C

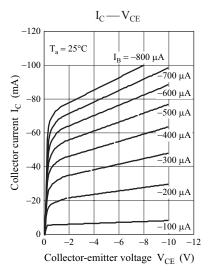
| Parameter | Symbol | Conditions | Min | Тур | Max | Unit |
|--|-------------------------------|---|------|------|-------|------|
| Collector-base voltage (Emitter open) | V _{CBO} | $I_C = -10 \mu A, I_E = 0$ | -50 | | | V |
| Collector-emitter voltage (Base open) | V _{CEO} | $I_C = -2 \text{ mA}, I_B = 0$ | -50 | | | V |
| Collector-base cutoff current (Emitter open) | I_{CBO} | $V_{CB} = -50 \text{ V}, I_{E} = 0$ | | | -0.1 | μΑ |
| Collector-emitter cutoff current (Base open) | I _{CEO} | $V_{CE} = -50 \text{ V}, I_{B} = 0$ | | | -0.5 | μΑ |
| Emitter-base cutoff current (Collector open) | I_{EBO} | $V_{EB} = -6 \text{ V}, I_C = 0$ | | | -0.5 | mA |
| Forward current transfer ratio | h_{FE} | $V_{CE} = -10 \text{ V}, I_{C} = -5 \text{ mA}$ | 35 | | | _ |
| h _{FE} ratio * | h _{FE} (Small/Large) | $V_{CE} = -10 \text{ V}, I_{C} = -5 \text{ mA}$ | 0.50 | 0.99 | | |
| Collector-emitter saturation voltage | V _{CE(sat)} | $I_C = -10 \text{ mA}, I_B = -0.5 \text{ mA}$ | | | -0.25 | V |
| Input voltage (ON) | V _{I(on)} | $V_{CE} = -0.2 \text{ V}, I_{C} = -5 \text{ mA}$ | -2.1 | | | V |
| Input voltage (OFF) | V _{I(off)} | $V_{CE} = -5 \text{ V}, I_{C} = -100 \mu\text{A}$ | | | -0.8 | V |
| Input resistance | R_1 | | -30% | 10 | +30% | kΩ |
| Resistance ratio | R_1/R_2 | | 0.8 | 1.0 | 1.2 | _ |

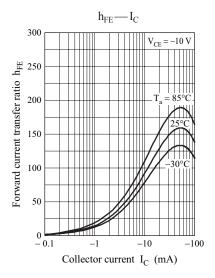
Note) 1. Measuring methods are based on JAPANESE INDUSTRIAL STANDARD JIS C 7030 measuring methods for transistors.

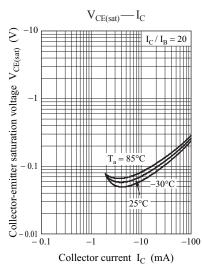
2. *: Ratio between 2 elements

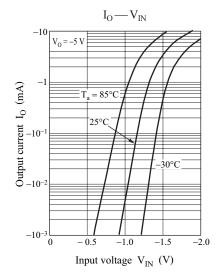
DMA26101 Panasonic

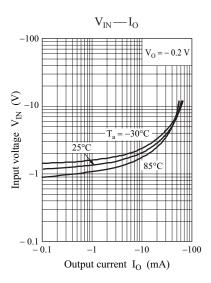








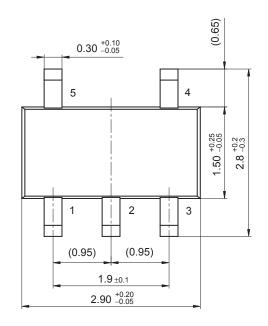


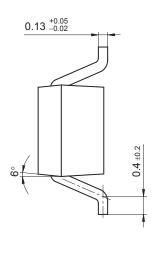


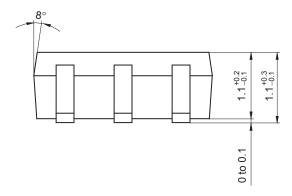
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Panasonic DMA26101

Mini5-G3-B Unit: mm







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