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With the principle of "Quality Parts, Customers Priority, Honest Operation, and Considerate Service", our business mainly focus on the distribution of electronic components. Line cards we deal with include Microchip, ALPS, ROHM, Xilinx, Pulse, ON, Everlight and Freescale. Main products comprise IC, Modules, Potentiometer, IC Socket, Relay, Connector. Our parts cover such applications as commercial, industrial, and automotives areas.

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DMA204A0

Silicon PNP epitaxial planar type

For low frequency amplification

■ Features

- \bullet Low collector-emitter saturation voltage $V_{\text{CE(sat)}}$
- Halogen-free / RoHS compliant (EU RoHS / UL-94 V-0 / MSL: Level 1 compliant)

■ Marking Symbol: C0

■ Basic Part Number

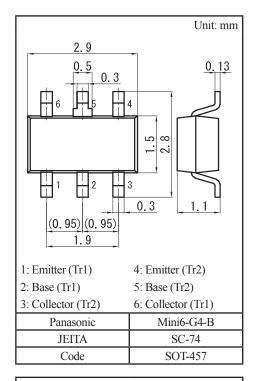
Dual DSA2401 (Individual)

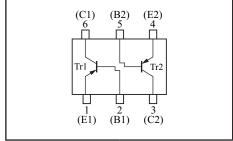
■ Packaging

DMA204A00R Embossed type (Thermo-compression sealing): 3 000 pcs / reel (standard)

■ Absolute Maximum Ratings $T_a = 25$ °C

	Parameter	Symbol	Rating	Unit
Tr1 Tr2	Collector-base voltage (Emitter open)	V _{CBO}	-15	V
	Collector-emitter voltage (Base open)	V _{CEO}	-10	V
	Emitter-base voltage (Collector open)	V _{EBO}	-7	V
	Collector current	I_{C}	-0.5	A
	Peak collector current	I_{CP}	-1	A
Overall	Total power dissipation	P _T	300	mW
	Junction temperature	T _j	150	°C
	Operating ambient temperature	T _{opr}	-40 to +85	°C
	Storage temperature	T _{stg}	-55 to +150	°C



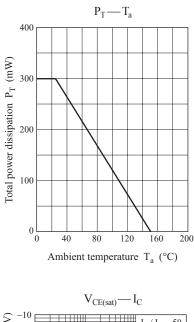


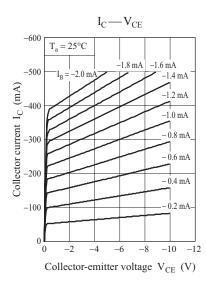
■ Electrical Characteristics $T_a = 25$ °C±3°C

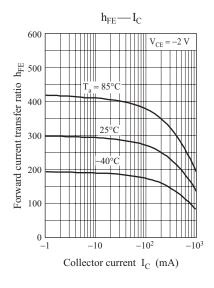
Parameter	Symbol	Conditions	Min	Тур	Max	Unit
Collector-base voltage (Emitter open)	V _{CBO}	$I_{\rm C} = -10 \mu \text{A}, I_{\rm E} = 0$	-15			V
Collector-emitter voltage (Base open)	V _{CEO}	$I_{\rm C} = -1 \text{ mA}, I_{\rm B} = 0$	-10			V
Emitter-base voltage (Collector open)	V_{EBO}	$I_E = -10 \mu\text{A}, I_C = 0$	-7			V
Collector-base cutoff current (Emitter open)	I_{CBO}	$V_{CB} = -10 \text{ V}, I_E = 0$			-100	nA
Forward current transfer ratio *1	h _{FE1}	$V_{CE} = -2 \text{ V}, I_{C} = -0.5 \text{ A}$	130		350	_
Forward current transfer ratio	h _{FE2}	$V_{CE} = -2 \text{ V}, I_{C} = -1 \text{ A}$	60			
Collector-emitter saturation voltage *1	V _{CE(sat)}	$I_C = -0.4 \text{ A}, I_B = -8 \text{ mA}$		-0.15	-0.30	V
Base-emitter saturation voltage *1	V _{BE(sat)}	$I_C = -0.4 \text{ A}, I_B = -8 \text{ mA}$		- 0.8	-1.2	V
Transition frequency	f_T	$V_{CE} = -10 \text{ V}, I_{C} = -50 \text{ mA}$		250		MHz
Collector output capacitance (Common base, input open circuited)	C _{ob}	$V_{CB} = -10 \text{ V}, I_E = 0, f = 1 \text{ MHz}$		18		pF

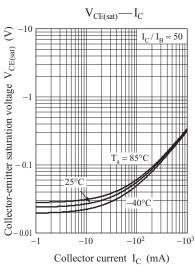
Note) 1. Measuring methods are based on JAPANESE INDUSTRIAL STANDARD JIS C 7030 measuring methods for transistors.

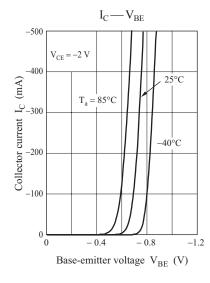
2. *1: Pulse measurement

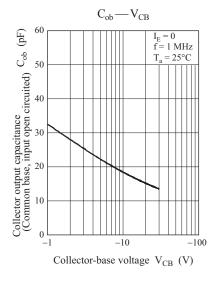


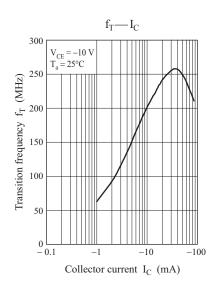


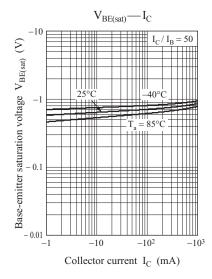








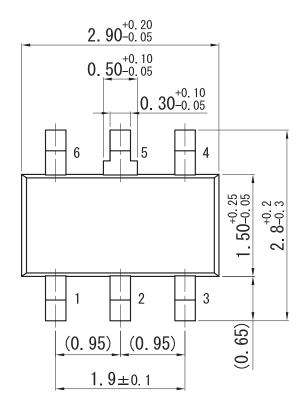


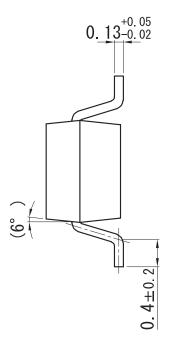


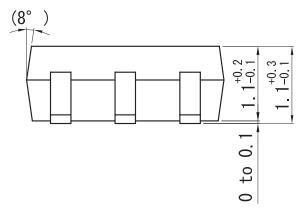
Ver. CED 2

Mini6-G4-B

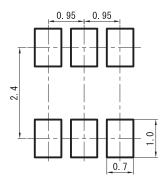
Unit: mm







■ Land Pattern (Reference) (Unit: mm)



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