## **Tentative**

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## **DMA364A3**

Silicon PNP epitaxial planar type (Tr1)

Silicon PNP epitaxial planar type (Tr2)

For digital circuits

Marking Symbol: H5

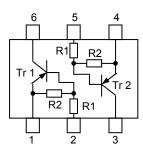
Package Code: SSSMini6-F2-B

### Absolute Maximum Ratings Ta = 25 °C

	Parameter	Symbol	Rating	Unit
Tr1	Collector-base voltage (Emitter open)	VCBO	-50	V
Tr2	Collector-emitter voltage (Base open)	VCEO	-50	V
	Collector current	IC	-80	mA
	Total power dissipation *1	PT	125	mW
Overall	Junction temperature	Tj	150	°C
	Storage temperature	Tstg	-55 to +150	°C

Note: 1. \*1 Measuring on substrate at 17 mm × 10 mm × 1 mm

#### **Internal Connection**



Resistance	R1	47	kΩ
value	R2	47	kΩ

#### Pin name

		ann	
1.	Emitter(Tr1)	4.	Emitter(Tr2)
2.	Base(Tr1)	5.	Base(Tr2)
3	Collector(Tr2)	6	Collector(Tr1)

# Electrical Characteristics Ta = 25 °C ±3 °C Tr1,Tr2

Parameter	Symbol	Conditions	Min	Тур	Max	Unit
Collector-base voltage (Emitter open)	VCBO	IC = -10 μA, IE = 0	-50			V
Collector-emitter voltage (Base open) *1	VCEO	IC = -2 mA, IB = 0	-50			V
Collector-base cutoff current (Emitter open)	ICBO	VCB = -50 V, IE = 0			-0.1	μΑ
Collector-emitter cutoff current (Base open)	ICEO	VCE = -50 V, IB = 0			-0.5	μΑ
Emitter-base cutoff current (Collector open)	IEBO	VEB = -6 V, IC = 0			-0.1	mΑ
Forward current transfer ratio	hFE	VCE = -10 V, IC = -5 mA	80			-
Collector-emitter saturation voltage	VCE(sat)	IC = -10 mA, IB = -0.5 mA			-0.25	V
Input voltage	Vi(on)	VCE = -0.2 V, IC = -5 mA	-3.6			V
input voltage	Vi(off)	VCE = -5 V, IC = -100 μA			-0.8	V
Input resistance	R1		-30%	47	+30%	kΩ
Resistance ratio	R1/R2		0.8	1.0	1.2	-

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

2. \*1 Pulse measurement

#### Packing

Embossed type (Thermo-compression sealing) R specification: 10 000 pcs / reel

2010.3.3	2010.9.21
Prepared	Revised

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