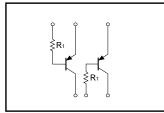
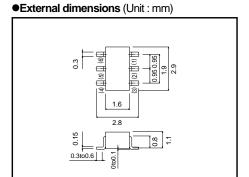
General purpose (dual digital transistors)

Features

1) Two DTA143T chips in a SMT package.

Circuit diagram





ROHM : SMT6 Each lead has same dimensions

•Absolute maximum ratings (Ta=25°C)

Parameter	Symbol	Limits	Unit
Collector-base voltage	Vсво	-50	V
Collector-emitter voltage	Vceo	-50	V
Emitter-base voltage	Vево	-5	V
Collector current	lc	-100	mA
Collector power dissipation	Pc	300(TOTAL)	mW *
Junction temperature	Tj	150	°C
Storage temperature	Tstg	-55 to +150	°C

*200mW per element must not be exceeded.

•Package, marking, and packaging specifications

Туре	IMB7A
Package	SMT6
Marking	B7
Code	T108
Basic ordering unit (pieces)	3000

rohm

Transistors

●Electrical characteristics (Ta=25°C)

Parameter	Symbol	Min.	Тур.	Max.	Unit	Conditions
Collector-base breakdown voltage	ВУсво	-50	-	-	V	Ic= –50μA
Collector-emitter breakdown voltage	BVCEO	-50	-	-	V	Ic=-1mA
Emitter-base breakdown voltage	ВУево	-5	-	-	V	Iε= -50μA
Collector cutoff current	Ісво	-	-	-0.5	μA	Vcb=-50V
Emitter cutoff current	Ево	_	-	-0.5	μA	VEB=-4V
DC current transfer ratio	hfe	100	250	600	-	Vce/Ic=-5V/-1mA
Collector-emitter saturation voltage	VCE(sat)	_	-	-0.3	V	Ic/Iв= –5mA /–0.25mA
Input resistance	R1	3.29	4.7	6.11	kΩ	_



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