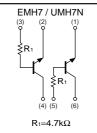
General purpose (dual digital transistors) EMH7/UMH7N

Features

1) Two DTC143T chips in a EMT or UMT package.

Equivalent circuits



•Package, marking, and packaging specifications

Туре	EMH7	UMH7N	
Package	EMT6	UMT6	
Marking	H7	H7	
Code	TR	TR	
Basic ordering unit (pieces)	8000	3000	

•Absolute maximum ratings (Ta=25°C)

0 (,		
Parameter	Symbol	Limits	Unit
Collector-base voltage	Vсво	50	V
Collector-emitter voltage	VCEO	50	V
Emitter-base voltage	Vebo	5	V
Collector current	lc	100	mA
Power dissipation	Pd	150(TOTAL)	mW *
Junction temperature	Tj	150	°C
Storage temperature	Tstg	-55 to +150	°C

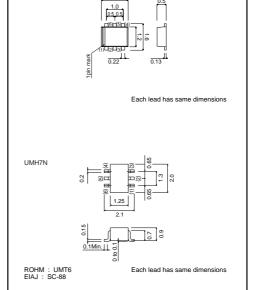
* 120mW per element must not be exceeded.

•Electrical characteristics (Ta=25°C)

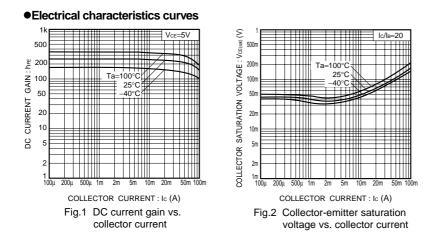
Parameter	Symbol	Min.	Тур.	Max.	Unit	Conditions
Collector-base breakdown voltage	ВУсво	50	-	-	V	Ic=50μA
Collector-emitter breakdown voltage	BVCEO	50	-	-	V	Ic=1mA
Emitter-base breakdown voltage	ВУево	5	-	-	V	Ιε=50μΑ
Collector cutoff current	Ісво	-	-	0.5	μΑ	V _{CB} =50V
Emitter cutoff current	Іево	-	-	0.5	μΑ	VEB=4V
Collector-emitter saturation voltage	VCE(sat)	-	-	0.3	V	Ic/IB=5mA/0.25mA
DC current transfer ratio	hfe	100	250	600	-	Vce=5V, Ic=1mA
Transition frequency	fτ	-	250	-	MHz	Vce=10V, Ie= -5mA, f=100MHz *
Input resistance	R1	3.29	4.7	6.11	kΩ	-

*Transition frequency of the device





Transistors



Notes

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