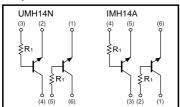
General purpose (dual digital transistors) UMH14N / IMH14A

Features

1) Two DTC144T chips in a UMT or SMT package.

Equivalent circuit



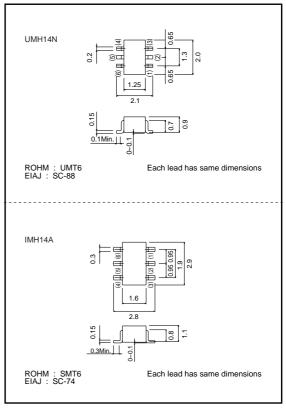
•Package, marking, and packaging specifications

Туре	UMH14N	IMH14A	
Package	UMT6	SMT6	
Marking	H14	H14	
Code	TR	T108	
Basic ordering unit (pieces)	3000	3000	

•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		Vebo	5	V	
Collector current		lc	100	mA	
Collector power dissipation	UMH14N	Pc	150(TOTAL)	mW	
	IMH14A	FU	300(TOTAL)		
Junction temperature		Tj	150	°C	
Storage temperature		Tstg	-55 to +150	°C	

•External dimensions (Unit : mm)



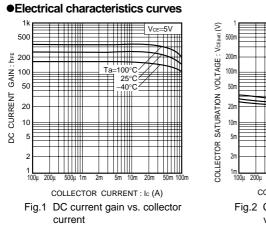
•Electrical characteristics (Ta=25°C)

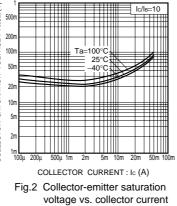
Parameter	Symbol	Min.	Тур.	Max.	Unit	Conditions
Collector-base breakdown voltage	ВУсво	50	-	-	V	Ic=50μA
Collector-emitter breakdown voltage	BVCEO	50	-	-	V	Ic=1mA
Emitter-base breakdown voltage	ВVево	5	-	-	V	Ιε=50μΑ
Collector cutoff current	Ісво	-	-	0.5	μA	Vcb=50V
Emitter cutoff current	Іево	-	-	0.5	μA	VEB=4V
Collector-emitter saturation voltage	VCE(sat)	-	-	0.3	V	Ic/I _B =10mA/1mA
DC current transfer ratio	hfe	100	250	600	-	Vce/lc=5V/1mA
Transition frequency	fт	-	250	-	MHz	Vce=10V, Ie=-5mA, f=100MHz *
Input resistance	R1	32.9	47	61.1	kΩ	-

*Transition frequency of the device.

ROHM

Transistors





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