•External dimensions (Unit : mm)

0.3

0.15

0.22

0.13

0.3Mir

2.8

0~0.1

0.8

Each lead has same dimensions

Each lead has same dimensions

IMH15A

ROHM : SMT6 EIAJ : SC-74

EMH15

EMH15 / IMH15A

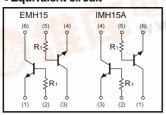
Transistors

General purpose (dual digital transistors) EMH15 / IMH15A

Features

1) Two DTC114T chips in a EMT or SMT package.

Equivalent circuit



•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	EMH15	Pc	150(TOTAL)	mW	
Collector power dissipation	IMH15A	FC	300(TOTAL)		
Junction temperature		Tj	150	°C	
Storage temperature		Tstg	-55 to +150	°C	

•Package, marking, and packaging specifications

Type EMH15 IMH15A Package EMT6 SMT6 Marking H15 H15 Code T2R T110 Basic ordering unit (pieces) 8000 3000	0,	•	
Marking H15 H15 Code T2R T110	Туре	EMH15	IMH15A
Code T2R T110	Package	EMT6	SMT6
	Marking	H15	H15
Basic ordering unit (pieces) 8000 3000	Code	T2R	T110
	Basic ordering unit (pieces)	8000	3000

•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	V _{CB} =50V
Emitter cutoff current	Іево	-	-	0.5	μΑ	VEB=4V
Collector-emitter saturation voltage	VCE(sat)		-	0.3	V	Ic/IB=10mA/1mA
DC current transfer ratio	hfe	100	250	600	-	Vce/Ic=5V/1mA
Transition frequency	fr fr	-	250	-	MHz	Vce=10V, Ie=-5mA, f=100MHz *
Input resistance	R1	32.9	47	61.1	kΩ	-

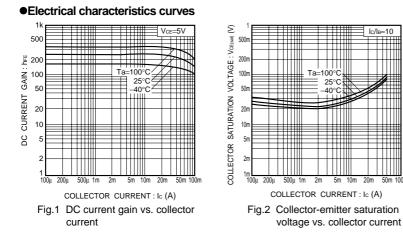
Transition frequency of the device





EMH15 / IMH15A

Transistors



Appendix

Notes

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