•External dimensions (Unit : mm)

0.22

0.2

EMA6

ROHM : EMT5

ROHM : UMT5 EIAJ : SC-88A

UMA6N

EMA6 / UMA6N

Each lead has same dimensions

Each lead has same dimensions

0

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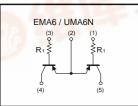
Transistors

Emitter common (dual digital transistors) EMA6 / UMA6N

Feature

1) Two DTA144T chips in a EMT or UMT package.

Equivalent circuit



Package, marking, and packaging specifications

EMA6	UMA6N
EMT5	UMT5
A6	A6
T2R	TR
8000	3000
	EMT5 A6 T2R

Absolute maximum ratings (Ta=25°C)

Symbol	Limits	Unit
Vсво	-50	V
VCEO	-50	V
Vebo	-5	V
lc	-100	mA
Pc	150(TOTAL)	mW *1
Tj	150	°C
Tstg	-55 to +150	°C
	VCBO VCEO VEBO IC PC Tj	VCB0 -50 VCE0 -50 VEB0 -5 Ic -100 Pc 150(TOTAL) Tj 150

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	$I_{E}=-50\mu A$	
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 = -5mA/ -0.5mA	
DC current transfer ratio	hre	100	250	600	-	Vce/lc=-5V/-1mA	
Transition frequency	fr		250	-	MHz	VEB=-10V, IE=5mA, f=100MHz *	
Input resistance	R1	32.9	47	61.1	kΩ	-	

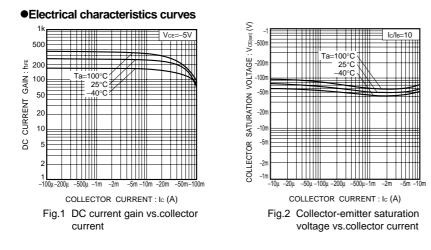
Transition frequency of the device.





EMA6 / UMA6N

Transistors



2/2

Appendix

Notes

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