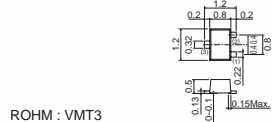


DTC115TM / DTC115TE / DTC115TUA /
DTC115TKA / DTC115TSA

**DTC115TM / DTC115TE / DTC115TUA /
DTC115TKA / DTC115TSA**

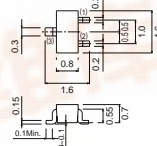
●External dimensions (Units : mm)

- DTC115TM



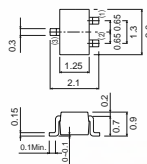
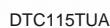
ROHM : VMT3

- (1) Base
- (2) Emitter
- (3) Collector



ROHM : EMT3
EIAJ : SC-75A

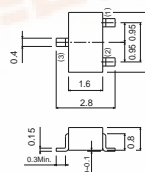
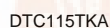
- (1) Emitter
- (2) Base
- (3) Collector



ROHM : UMT3
EIAJ : SC-70

Each lead has same dimensions

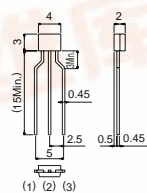
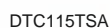
- (1) Emitter
- (2) Base
- (3) Collector



ROHM : SMT3
EIAJ : SC-59

Each lead has same dimensions

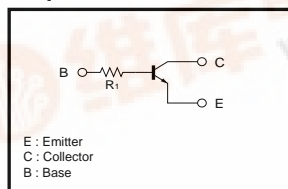
- (1) Emitter
- (2) Base
- (3) Collector



ROHM : SPT
EIAJ : SC-72

Taping specifications

- (1) Emitter
- (2) Collector
- (3) Base



DTC115TM / DTC115TE / DTC115TUA / Transistors DTC115TKA / DTC115TSA

●Absolute maximum ratings (Ta=25°C)

Parameter	Symbol	Limits	Unit
Collector-base voltage	V _{CB0}	50	V
Collector-emitter voltage	V _{CE0}	50	V
Emitter-base voltage	V _{EB0}	5	V
Collector current	I _C	100	mA
Collector power dissipation	DTC115TM / DTC115TE	150	mW
	DTC115TUA / DTC115TKA	200	
	DTC115TSA	300	
Junction temperature	T _j	150	°C
Storage temperature	T _{stg}	-55~+150	°C

●Packaging, marking, and packaging specifications

Part No.	DTC115TM	DTC115TE	DTC115TUA	DTC115TKA	DTC115TSA
Package	VMT3	EMT3	UMT3	SMT3	SPT
Marking	09	09	09	09	-
Packaging code	T2L	TL	T106	T146	TP
Basic ordering unit (pieces)	8000	3000	3000	3000	5000

●Electrical characteristics (Ta=25°C)

Parameter	Symbol	Min.	Typ.	Max.	Unit	Conditions
Collector-base breakdown voltage	BV _{CB0}	50	-	-	V	I _C =50μA
Collector-emitter breakdown voltage	BV _{CE0}	50	-	-	V	I _C =1mA
Emitter-base breakdown voltage	BV _{EB0}	5	-	-	V	I _E =50μA
Collector cutoff current	I _{CB0}	-	-	0.5	μA	V _{CB} =50V
Emitter cutoff current	I _{EB0}	-	-	0.5	μA	V _{EB} =4V
Collector-emitter saturation voltage	V _{CE(sat)}	-	-	0.3	V	I _C /I _E =1mA/0.1mA
DC current transfer ratio	h _{FE}	100	250	600	-	I _C =1mA, V _{CE} =5V
Input resistance	R _i	70	100	130	kΩ	-
Transition frequency	f _T	-	250	-	MHz	V _{CE} =10V, I _E =-5mA, f=100MHz *

* Transition frequency of the device.

Appendix

Notes

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