

NOT RECOMMENDED FOR NEW DESIGN USE DZTA92

FZTA92

SOT223 PNP SILICON PLANAR HIGH VOLTAGE TRANSISTOR

FEATURES

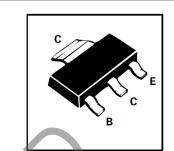
* High breakdown voltage

APPLICATIONS

 Suitable for video output stages in TV sets and switch mode power supplies

COMPLIMENTARY TYPE - FZTA42

PARTMARKING DETAIL - DEVICE TYPE IN FULL



ABSOLUTE MAXIMUM RATINGS.

PARAMETER	SYMBOL	VALUE	UNIT
Collector-Base Voltage	V _{CBO}	-300	V
Collector-Emitter Voltage	V _{CEO}	-300	V
Emitter-Base Voltage	V _{EBO}	-5	V
Base Current	I _B	-100	mA
Continuous Collector Current	Ic	-500	mA
Power Dissipation at T _{amb} =25°C	P _{tot}	2	W
Operating and Storage Temperature Range	$T_j:T_{stg}$	-55 to +150	°C

ELECTRICAL CHARACTERISTICS (at Tamb = 25°C).

		11110				
PARAMETER	SYMBOL	MIN.	TYP.	MAX.	UNIT	CONDITIONS.
Collector-Base Breakdown Voltage	V _{(BR)CBO}	-300	N		V	I _C =-100μA, I _E =0
Collector-Emitter Breakdown Voltage	V _{(BR)CEO}	-300			V	I _C =-1mA, I _B =0*
Emitter-Base Breakdown Voltage	V _{(BR)EBO}	-5			V	I_{E} =-100 μ A, I_{C} =0
Collector Cut-Off Current	I _{CBO}			-0.25	μА	V_{CB} =-200V, I_{E} =0
Emitter Cut-Off Current	I _{EBO}			-0.1	μΑ	$V_{EB}=-3V$, $I_{C}=0$
Collector-Emitter Saturation Voltage	V _{CE(sat)}			-0.5	V	I _C =-20mA, I _B =-2mA
Base-Emitter Saturation Voltage	V _{BE(sat)}			-0.9	V	I _C =-20mA, I _B =-2mA
Static Forward Current Transfer Ratio	h _{FE}	25 40 25				I _C =-1mA, V _{CE} =-10V* I _C =-10mA, V _{CE} =-10V* I _C =-30mA, V _{CE} =-10V*
Transition Frequency	f _T	50			MHz	I _C =-10mA, V _{CE} =-20V f=20MHz
Output Capacitance	C _{obo}			6	pF	V _{CB} =-20V, f=1MHz

^{*} Measured under pulsed conditions. Pulse width=300 μ s. Duty cycle \leq 2% For typical characteristics graphs see FMMTA92 datasheet.



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