



BU2527AX

Silicon Diffused Power Transistor

PRODUCT PROFILE

General Description

High-voltage, high-speed NPN power switching in a isolated plastic package.

Features

- Isolated package
- Fast switching

Applications

- High frequency Cathode Ray Tube (CRT) monitors



Reference Data

Symbol	Parameter	Conditions	Min	Max	Unit
V_{CESM}	Collector-emitter peak voltage	$V_{BE} = 0\text{ V}$	-	1500	V
V_{CEO}	Collector-emitter voltage	open base	-	800	V
I_C	Collector current		-	12	A
I_{CM}	Peak collector current		-	30	A
I_B	base current		-	8	A
I_{BM}	Peak base current		-	12	A
I_{BR}	Reverse base current	averaged over any 20 ms period	-	0.2	A
I_{BRM}	Peak reverse base current		-	7	A
P_{tot}	Total power dissipation	$T_h < 25\text{ }^\circ\text{C}$	-	45	W
T_{stg}	Storage temperature		-55	+150	$^\circ\text{C}$
T_j	Junction temperature		-	150	$^\circ\text{C}$

Ordering Number
BU2527AX-LF
Package
TO-3PF(IS)



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