

# MMBT2222AL

## NPN Bipolar Transistor

### Product Overview

For complete documentation, see the data sheet.

The NPN Bipolar Transistor is designed for use in linear and switching applications. The device is housed in the SOT-23 package, which is designed for lower power surface mount applications.

### Features

- Pb-Free Packages are Available
- S Prefix for Automotive and Other Applications Requiring Unique Site and Control Change Requirements; AEC-Q101 Qualified and PPAP Capable

### Part Electrical Specifications

Product	Pricing (\$/Unit)	Compliance	Status	Polarity	Type	$V_{CE(sat)Max}$ (V)	$I_c$ Cont. (A)	$V_{CEO}Min$ (V)	$V_{CBO}$ (V)	$V_{EBO}$ (V)	$V_{BE(sat)}$ (V)	$V_{BE(on)}$ (V)	$h_{FE}Min$	$h_{FE}Max$	$f_T$ Min (MHz)	$P_{TM}Max$ (W)	Package Type
MMBT2222ALT1G	0.0156		Active	NPN	General Purpose	1	0.6	40	75	6	2	-	100	300	300	0.225	SOT-23-3
MMBT2222ALT3G	0.0156		Active	NPN	General Purpose	1	0.6	40	75	6	2	-	100	300	300	0.225	SOT-23-3
SMMBT2222ALT1G	0.0249		Active	NPN	General Purpose	1	0.6	40	75	6	2	-	100	300	300	0.225	SOT-23-3
SMMBT2222ALT3G	0.0249		Active	NPN	General Purpose	1	0.6	40	75	6	2	-	100	300	300	0.225	SOT-23-3