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ON Semiconductor®

Energy Efficient Innovations

Product Overview

2SC6144SG: Bipolar Transistor, 50V, 10A, Low VCE(sat), NPN TO-220F-3FS

For complete documentation, see the data sheet.

2SC6144SG is a Bipolar Transistor, 50V, 10A, Low VCE(sat), NPN TO-220F-3FS for High-Current Switching Applications.

Features

- Adoption of MBIT process
- Low collector-to-emitter saturation voltage : VCE(sat)=180mV (typ)
- High-speed switching : tf=25ns (typ)
- Large current capacitance : IC=10A

Applications

- Relay drivers, lamp drivers, motor drivers

Part Electrical Specifications

Product	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
2SC6144SG	Pb-free	Active	NPN	Low $V_{CE(sat)}$	0.36	10	50	60	5	1.2	-	200	560	330	25	TO-220-3 FullPak

For more information please contact your local sales support at www.onsemi.com.

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