

Radiation Hardened Bipolar Transistors



Microsemi HiRel Semiconductor Products



Microsemi is a world leader in military and commercial aerospace semiconductors and modules. Our military/aerospace history spans nearly a half century, to the earliest days of the company, serving virtually every major manufacturer in the industry.

High Reliability Radiation Hardened Bipolar Transistors

Part Number	V(BR) CEO	IC	Max TID Rating	Slash Sheet
-------------	-----------	----	----------------	-------------

SMD-0.5 (Surface Mount)

NPN Power

JANSF2N5152U3	80V	10.0A	300K RAD	/544
JANSF2N5154U3	80V	10.0A	300K RAD	/544

PNP Power

JANSF2N5151U3	80V	10.0A	300K RAD	/545
JANSF2N5153U3	80V	10.0A	300K RAD	/545

TO-18

NPN Silicon Switcher

JANSH2N2221A	50V	0.8A	1 MEG RAD	/255
JANSH2N2221AL	50V	0.8A	1 MEG RAD	/255
JANSH2N2222A	50V	0.8A	1 MEG RAD	/255
JANSH2N2222AL	50V	0.8A	1 MEG RAD	/255
JANSF2N2369A	15V	0.1A	300K RAD	/317
JANSR2N3700	80V	1.0A	100K RAD	/391
JANSF2N4449	15V	0.1A	300K RAD	/317

PNP Silicon Switcher

JANSR2N2906A	60V	0.6A	100K RAD	/291
JANSR2N2906AL	60V	0.6A	100K RAD	/291
JANSR2N2907A	60V	0.6A	100K RAD	/291
JANSR2N2907AL	60V	0.6A	100K RAD	/291

Part Number	V(BR) CEO	IC	Max TID Rating	Slash Sheet
-------------	-----------	----	----------------	-------------

TO-39

NPN Silicon Switcher

JANSR2N2218	30V	0.8A	100K RAD	/251
JANSR2N2218A	50V	0.8A	100K RAD	/251
JANSR2N2219	30V	0.8A	100K RAD	/251
JANSR2N2219A	50V	0.8A	100K RAD	/251
JANSR2N3019S	80V	1.0A	100K RAD	/391
JANSR2N3439L	350V	1.0A	100K RAD	/368
JANSR2N3440L	250V	1.0A	100K RAD	/368
JANSR2N3498	100V	0.3A	100K RAD	/366
JANSR2N3499	100V	0.3A	100K RAD	/366
JANSR2N3500	150V	0.3A	100K RAD	/366
JANSR2N3501	150V	0.3A	100K RAD	/366

PNP Silicon Switcher

JANSR2N3634	140V	1.0A	100K RAD	/357
JANSR2N3635	140V	1.0A	100K RAD	/357
JANSR2N3636	175V	1.0A	100K RAD	/357
JANSR2N3637	175V	1.0A	100K RAD	/357

NPN Power

JANSF2N5152	80V	10.0A	300K RAD	/544
JANSF2N5154	80V	10.0A	300K RAD	/544

PNP Power

JANSF2N5151	80V	10.0A	300K RAD	/545
JANSF2N5153	80V	10.0A	300K RAD	/545

Part Number	V(BR) CEO	IC	Max TID Rating	Slash Sheet
-------------	-----------	----	----------------	-------------

TO-5

NPN Silicon Switcher

JANSR2N2218AL	50V	0.8A	100K RAD	/251
JANSR2N2219AL	50V	0.8A	100K RAD	/251
JANSR2N3019	80V	1.0A	100K RAD	/391
JANSR2N3439	350V	1.0A	100K RAD	/368
JANSR2N3440	250V	1.0A	100K RAD	/368
JANSR2N3498L	100V	0.3A	100K RAD	/366
JANSR2N3499L	100V	0.3A	100K RAD	/366
JANSR2N3500L	150V	0.3A	100K RAD	/366
JANSR2N3501L	150V	0.3A	100K RAD	/366

PNP Silicon Switcher

JANSR2N3634L	140V	1.0A	100K RAD	/357
JANSR2N3635L	140V	1.0A	100K RAD	/357
JANSR2N3636L	175V	1.0A	100K RAD	/357
JANSR2N3637L	175V	1.0A	100K RAD	/357

NPN Power

JANSF2N5152L	80V	10.0A	300K RAD	/544
JANSF2N5154L	80V	10.0A	300K RAD	/544

PNP Power

JANSF2N5151L	80V	10.0A	300K RAD	/545
JANSF2N5153L	80V	10.0A	300K RAD	/545

TO-59

NPN Power

JANSF2N5002	80V	10.0A	300K RAD	/534
JANSF2N5004	80V	10.0A	300K RAD	/534

TO-78

PNP DUAL

JANSF2N3810	60V	0.1A	300K RAD	/336
JANSF2N3810L	60V	0.1A	300K RAD	/336
JANSF2N3811	60V	0.1A	300K RAD	/336
JANSF2N3811L	60V	0.1A	300K RAD	/336

3 Pin LCC (Surface Mount)

NPN Silicon Switcher

JANSH2N2221AUB	50V	0.8A	1 MEG RAD	/255
JANSH2N2221AUBC	50V	0.8A	1 MEG RAD	/255
JANSH2N2222AUB	50V	0.8A	1 MEG RAD	/255
JANSH2N2222AUBC	50V	0.8A	1 MEG RAD	/255
JANSF2N2369AUB	15V	0.1A	300K RAD	/317
JANSF2N2369AUBC	15V	0.1A	300K RAD	/317
JANSR2N3501UB	150V	0.3A	100K RAD	/366
JANSR2N3700UB	80V	1.0A	100K RAD	/391

PNP Silicon Switcher

JANSR2N2906AUB	60V	0.6A	100K RAD	/291
JANSR2N2906AUBC	60V	0.6A	100K RAD	/291
JANSR2N2907AUB	60V	0.6A	100K RAD	/291
JANSR2N2907AUBC	60V	0.6A	100K RAD	/291
JANSR2N3634UB	140V	1.0A	100K RAD	/357
JANSR2N3635UB	140V	1.0A	100K RAD	/357
JANSR2N3636UB	175V	1.0A	100K RAD	/357
JANSR2N3637UB	175V	1.0A	100K RAD	/357

Part Number	V(BR) CEO	IC	Max TID Rating	Slash Sheet
-------------	-----------	----	----------------	-------------

4 Pin LCC (Surface Mount)

NPN Silicon Switcher

JANSH2N2221AUA	50V	0.8A	1 MEG RAD	/255
JANSH2N2222AUA	50V	0.8A	1 MEG RAD	/255
JANSF2N2369AUA	15V	0.1A	300K RAD	/317
JANSR2N3439UA	350V	1.0A	100K RAD	/368
JANSR2N3440UA	250V	1.0A	100K RAD	/368

PNP Silicon Switcher

JANSR2N2906AUA	60V	0.6A	100K RAD	/291
JANSR2N2907AUA	60V	0.6A	100K RAD	/291

6 Pin LCC (Surface Mount)

NPN Silicon Switcher

JANSF2N2369AU	15V	0.1A	300K RAD	/317
JANSF2N3810U	60V	0.1A	300K RAD	/336

PNP DUAL

JANSF2N3811U	60V	0.1A	300K RAD	/336
--------------	-----	------	----------	------

TO-254AA

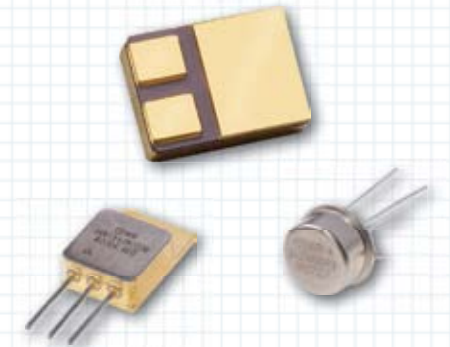
NPN Power

JANSF2N7373	80V	10.0A	300K RAD	/613
-------------	-----	-------	----------	------

TO-46

NPN Silicon Switcher

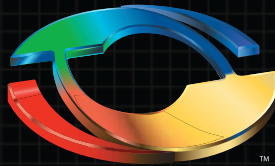
JANSR2N3057A	80V	1.0A	100K RAD	/391
--------------	-----	------	----------	------



Microsemi Corporation
Military/HiRel/Aerospace Group
6 Lake Street
Lawrence, MA 01841

Ph: 978-620-2600
Fax: 978-689-0803

sales.LAW.microsemi.com



Microsemi[®]

www.microsemi.com