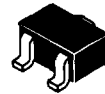


SC-70/SOT-323 Devices

Maximum die size 20 mil x 20 mil



CASE 419-02

RF Transistors

Device	Marking	Gain-Bandwidth		NF @ f		Gain @ f		Maximum Ratings		
		f _T Typ GHz	I _C mA	Typ dB	MHz	Typ dB	MHz	V _{(BR)CEO} Volts	I _C mA	P _T mW
MRF947T1	A	8	15	2.1	1500	10.5	1500	10	50	175
MRF947BT1	H	8	15	2.1	1500	10.5	1500	10	50	175
MRF957T1	B	8	30	2.0	1500	9	1500	10	100	175

Plastic-Encapsulated Bias Resistor Transistors for General-Purpose Applications

Pinout: 1-Base, 2-Emitter, 3-Collector

Device		Marking		V _{(BR)CEO} Volts (Min)	h _{FE} @ I _C		I _C mA Max	R ₁ Ohm	R ₂ Ohm
NPN	PNP	NPN	PNP		Min	mA			
<i>MUN5211T1</i>	<i>MUN5111T1</i>	8A	6A	50	35	5.0	50	10K	10K
<i>MUN5212T1</i>	<i>MUN5112T1</i>	8B	6B	50	60	5.0	50	22K	22K
<i>MUN5213T1</i>	<i>MUN5113T1</i>	8C	6C	50	80	5.0	50	47K	47K
<i>MUN5214T1</i>	<i>MUN5114T1</i>	8D	6D	50	80	5.0	50	10K	47K

General-Purpose Signal and Switching Diodes

The following is a listing of small-signal switching diodes in surface mount packages. These diodes are intended for low current switching and signal steering applications.

Device	Marking	V _{(BR)R}		I _R		V _F			C _J ⁽¹⁾ Max (pF)	t _{rr} Max (ns)	Case Style
		Min Volts	@ I _{BR} (μA)	Max (μA)	@ V _R Volts	Min Volts	Max Volts	@ I _F (mA)			

SINGLE

<i>M1MA141KT1</i>	MH	40	100	0.1	35	—	1.2	100	2.0	3.0	2
<i>BAS16WT1</i>	A6	75	1.0	0.02	20	—	1.25	150	2.0	6.0	2
<i>M1MA142KT1</i>	MI	80	100	0.1	75	—	1.2	100	2.0	3.0	2

DUAL

Device	Marking	V _{(BR)R}		I _R		V _F			C _T ⁽¹⁾ Max (pF)	t _{rr} Max (ns)	Case Style
		Min Volts	@ I _{BR} (μA)	Max (μA)	@ V _R Volts	Min Volts	Max Volts	@ I _F (mA)			
<i>M1MA142WKT1</i>	MU	80	100	0.1	75	—	1.2	100	2.0	3.0	5
<i>M1MA142WAT1</i>	MO	80	100	0.1	75	—	1.2	100	15	10	4
<i>BAW56WT1</i>	A1	70	100	2.5	70	—	1.0	50	2.0	6.0	4
<i>BAV70WT1</i>	A4	70	100	5.0	70	—	1.0	50	1.5	6.0	5
<i>M1MA141WKT1</i>	MT	40	100	0.1	35	—	1.2	100	2.0	3.0	5
<i>M1MA141WAT1</i>	MN	40	100	0.1	35	—	1.2	100	15	10	4

⁽¹⁾V_R = 0 V, f = 1.0 MHz

See Packaging Information under Technical Data Section for reel size, quantity and ordering information.

Devices listed in bold, italic are Motorola preferred devices.