BFS17A

NPN Bipolar Silicon RF Transistor in plastic package SOT23

Attribute		Value	UOM
Configuration		NPN	
Function		RF	
Package		SOT23	
$V_{CEO\ max}$		15	V
$V_{CBO\ max}$		25	V
$V_{EBO\ max}$		2.5	V
$I_{C\ max}$		25	mA
$P_{tot\ max}$		200	mW
DC current gain	min	20	
	@I_E	2	mA
	@V_{CE}	1	V
Transition frequency	typ	3.2	GHz
	@I_E	30	mA
	@V_{CE}	5	V
	@f	300	MHz
Power gain	$G_{P\ typ}$	13	dB
	@I_E	14	mA
	@V_{CE}	10	V
	@f	800	MHz
Noise figure	F_{typ}	2.5	dB
	@I_E	2	mA
	@V_{CE}	5	V
	@f	800	MHz

BFR92

NPN Bipolar Silicon RF Transistor in plastic package SOT23

Attribute		Value	UOM
Configuration		NPN	
Function		RF	
Package		SOT23	
$V_{CEO\ max}$		15	V
$V_{CBO\ max}$		20	V
$V_{EBO\ max}$		2.0	V
$I_{C\ max}$		30	mA
$P_{tot\ max}$		200	mW
DC current gain	min	25	
	@I_E	14	mA
	@V_{CE}	10	V
Transition frequency	typ	5.0	GHz
	@I_E	14	mA
	@V_{CE}	10	V
	@f	300	MHz
Power gain	$G_{P\ typ}$	14	dB
	@I_E	14	mA
	@V_{CE}	10	V
	@f	800	MHz
Noise figure	F_{typ}	2.2	dB
	@I_E	2	mA
	@V_{CE}	10	V
	@f	500	MHz

BFR92A

NPN Bipolar Silicon RF Transistor in plastic package SOT23

Attribute		Value	UOM
Configuration		NPN	
Function		RF	
Package		SOT23	
$V_{CEO\ max}$		15	V
$V_{CBO\ max}$		20	V
$V_{EBO\ max}$		2.0	V
$I_{C\ max}$		30	mA
$P_{tot\ max}$		200	mW
DC current gain	min	65	
	@I_E	14	mA
	@V_{CE}	10	V
Transition frequency	typ	6.0	GHz
	@I_E	14	mA
	@V_{CE}	10	V
	@f	300	MHz
Power gain	$G_{P\ typ}$	16	dB
	@I_E	14	mA
	@V_{CE}	10	V
	@f	800	MHz
Noise figure	F_{typ}	1.8	dB
	@I_E	2	mA
	@V_{CE}	10	V
	@f	800	MHz

BFR93

NPN Bipolar Silicon RF Transistor in plastic package SOT23

Attribute		Value	UOM
Configuration		NPN	
Function		RF	
Package		SOT23	
$V_{CEO\ max}$		12	V
$V_{CBO\ max}$		20	V
$V_{EBO\ max}$		2.0	V
$I_{C\ max}$		40	mA
$P_{tot\ max}$		200	mW
DC current gain	min	25	
	@I_E	30	mA
	@V_{CE}	5	V
Transition frequency	typ	5.0	GHz
	@I_E	30	mA
	@V_{CE}	5	V
	@f	300	MHz
Power gain	$G_{P\ typ}$	13	dB
	@I_E	30	mA
	@V_{CE}	5	V
	@f	800	MHz
Noise figure	F_{typ}	1.9	dB
	@I_E	4	mA
	@V_{CE}	5	V
	@f	500	MHz

BFR93A

NPN Bipolar Silicon RF Transistor in plastic package SOT23

Attribute		Value	UOM
Configuration		NPN	
Function		RF	
Package		SOT23	
$V_{CEO\ max}$		12	V
$V_{CBO\ max}$		20	V
$V_{EBO\ max}$		2.0	V
$I_{C\ max}$		50	mA
$P_{tot\ max}$		200	mW
DC current gain	$h_{FE\ min}$	40	
	$h_{FE\ max}$	150	
	@I_E	30	mA
	@V_{CE}	5	V
Transition frequency	$f_{T\ typ}$	6.0	GHz
	@I_E	30	mA
	@V_{CE}	5	V
	@f	300	MHz
Power gain	$G_{P\ typ}$	14	dB
	@I_E	30	mA
	@V_{CE}	5	V
	@f	800	MHz
Noise figure	F_{typ}	1.6	dB
	@I_E	5	mA
	@V_{CE}	8	V
	@f	800	MHz