

Microwave, RF & Tuner Transistors

For complete package outlines, refer to pages PO-1 through PO-6

MOS Field Effect Transistors

Type	Maximum Ratings			Characteristics ($T_A=25^\circ\text{C}$)						Case		
	V_{DS} V	I_{DS} mA	P_t mW	G_{ps} dB	NF dB	at V_{DS} V	I_D mA	f MHz	g_{fs} mS	Style	Lead Code	SOT Equiv.
(Tetrode)												
BF961	20	30	200	23	1.1	15	10	200	17	XPLAST	45	BF995
BF963	20	50	200	25	1.5	15	10	200	25	XPLAST	45	BF993
BF964S	20	30	200	25	1.0	15	10	200	18	XPLAST	45	BF994S
BF965	20	30	200	25	1.0	15	10	200	18	XPLAST	45	BF997
BF966S	20	30	200	18	1.8	15	10	800	18	XPLAST	45	BF996S
BF988	12	30	200	20	1.0	8	10	800	28	XPLAST	45	BF998
(Triode)												
BF544 (Triode)	20	30	200	22	1.0	10	4	200	12	TO92D	46	BF543
BF987 (Triode)	20	30	300	25	1.0	10	10	200	16	TO-92b	46	BF999

GaAsFETs

Type	Maximum Ratings				Characteristics ($T_A=25^\circ\text{C}$)						Case		
	V_{DS} V	V_{GS} V	I_{DS} mA	P_{tot} mW	g_m mS	F dB	G_a dB	f GHz	MAG dB	P_{1dB} dBm	Style	Lead Code	SOT Equiv.
CFY10	5	-5...+0.5	100	500	45	<1.8	>9.5	6	12.5	14	100 mil	47	-
CFY19-18	6	-5...+0.5	80	300	30	<1.8	>9.5	6	12.5	14	Cerec-XF	47	-
CFY19-22	6	-5...+0.5	80	300	25	<2.2	>9.0	6	12.0	14	Cerec-XF	47	-
CFY25-17	5	-5...+0.0	80	250	35	1.6	9.5	12	-	-	Cerec-XF	47	-
CFY25-20	5	-5...+0.0	80	250	35	1.9	9.0	12	-	-	Micro-X	47	CFY35-20
CFY25-23	5	-5...+0.0	80	250	35	2.2	9.0	12	-	-	Micro-X	47	CFY35-23

AlGaAs/GaAsHEMTs

Type	Maximum Ratings				Characteristics ($T_A=25^\circ\text{C}$)					Case		
	V_{DS} V	V_{GS} V	I_D mA	P_{tot} mW	g_m mS	F dB	G_a dB	f GHz		Style	Lead Code	SOT Equiv.
CFY66-08	3.5	-3.0...+0	60	200	50	0.8	11.0	12		Micro-X	47	CFY76-08
CFY66-10	3.5	-3.0...+0	60	200	50	1.0	10.5	12		Micro-X	47	CFY76-10
CFY67-08	3.5	3.0...+0	60	200	65	0.8	11.5	12		Micro-X	47	CFY77-08
CFY67-10	3.5	-3.0...+0	60	200	65	1.0	11.0	12		Micro-X	47	CFY77-10

GaAsMMICs

Broadband Amplifiers

Type	Characteristics ($T_A=25^\circ\text{C}$)									Case		
	V_S V	I_{op} mA	f MHz	G dB	ΔG dB	F dB	V_{out} mV	P_{1dB} dBm	V_{SWR} -	Style	Lead Code	SOT Equiv.
CGY21	3.0...6.0	160	100...900	21.0	1.5	3.9 (<5.5)	350	19	1.25:1	TO-12	48	CGY52/62
CGY31	3.0...6.0	160	800...1800	18.0	2.0	4.0 (<5.0)	350	19	1.5:1	TO-12	48	
CGY40	3.0...5.5	60	100 200...1000 800...1800	10.8 10.5 9.0	- 0.4 1.1	3.0 2.5 2.8 (<4.0)	- 400 400	- 18 18	2:1 1.7:1 1.7:1	Cerec-X	49	CGY50