

# Microwave, RF & Tuner Transistors

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

## GaAsMMICs

### Broadband Amplifiers/Mixers

Type	Characteristics ( $T_A=25^\circ\text{C}$ )									Case		
	$V_S$ V	$I_{op}$ mA	$f$ MHz	$G$ dB	$\Delta G$ dB	$F$ dB	$V_{OUT}$ mV	$P_{-1dB}$ dBm	$VSWR$ -	Style	Lead Code	Leaded Equiv.
CGY50 (Amp)	5.50...7.50	60.00	200...1000	10.00	0.40	3.0( $\leq 4.0$ )	-	16	-	SOT143	6	CGY40
CGY52 (Amp)	6.00	160.00	800...1800	8.50	1.10					MW7	71	CGY21
CGY62 (Amp)	6.00	130.00	200...1800	15.00	3.00	4.8	-	19	-	MW6	71	CGY21

## GaAs SPDT Switch

Type	Characteristics ( $T_A=25^\circ\text{C}$ )				Case		
	Insertion Loss dB at 1.8GHz	Isolation dB at 1.8GHz	Return Loss dB at 1.8GHz	Pin (-1dB) at 1.8GHz	Style	Lead Code	Leaded Equiv.
CSY10	1.2	22	10	27	MW7	72	-

## AlGaAs/GaAs HEMTs

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	$G_1$ dB	at $f$ GHz	Style	Lead Code	Leaded Equiv.
CFY76-08	3.5	-3.0...0.0	60	180	50	0.7	10.5	12	MW4	3	CFY66-08
CFY76-10	3.5	-3.0...0.0	60	180	50	1.0	9.5	12	MW4	3	CFY66-10
CFY77-08	3.5	-3.0...0.0	60	180	65	0.7	10.5	12	MW4	3	CFY67-08
CFY77-10	3.5	-3.0...0.0	60	180	65	0.9	10.0	12	MW4	3	CFY67-10