UHF / VHF TUNING DIODES

CHIP DIODES
TO ORDER PASSIVATED DIODE CHIPS, ADD "CHIP" AFTER TYPE NO.

LOWEST LEAKAGE HIGH Q			HIGH Q FOR MANY UHF–VHF USES			ABRUPT GOOD Q			HYPERABRUPT HIGH Q			HIGHER VOLTAGE HIGH Q			60 VOLT GENERAL USE		
TYPE NO.	RATIO C2/C30 min/max	Q4 @ 50 MHz min	TYPE NO.	RATIO C2/C30 min/max	Q4 @ 50 MHz min	TYPE NO	RATIO C2/C30 min/max	Q4 @ 50 MHz min	TYPE NO.	RATIO C2/C30 min/max	Q4 @ 50 MHz min	TYPE NO.	RATIO C8/C60 min/typ	Q4 @ 50 MHz min	TYPE NO.	RATIO C4/C60 min/typ	Q4 @ 50 MHz min
												GC1754	5:1	1200			
												GC1755	5:1	1200			
									HA1915A	3:1	1000	GC1756	5:1	1200			
									HA1916A	3:1	1000	GC1757	6:1	1100			
									HA1917A	3:1	1000	GC1758	6:1	1100			
									HA1918A	3:2	900	GC1759	7:1	1100			
									HA1919A	3:2	800	GC1760	7:1	1000			
SD5461A	2.7/3.1	800	1N5461A	2.7/3.1	600	1N5441A	2.5/3.1	450	HA1920A	3:8	800	GC1761	7:1	1000	1N5139	2.7/2.9	350
SD5462A	2.8/3.1	800	1N5462A	2.8/3.1	600	1N5442A	2.5/3.1	450	HA1922A	3:9	800	GC1762	7:1	1000			
SD5463A	2.8/3.1	550	1N5463A	2.8/3.1	550	1N5443A	2.6/3.1	400	HA1924A	3:9	700	GC1763	7:1	900	1N5140	2.8/3.0	300
SD5464A	2.8/3.1	550	1N5464A	2.8/3.1	550	1N5444A	2.6/3.1	400	HA1926A	3:9	700	GC1764	7:1	900	1N5141	2.8/3.0	300
SD5465A	2.8/3.1	550	1N5465A	2.8/3.1	550	1N5445A	2.6/3.1	400	HA1928A	3:9	700	GC1765	7:1	900	1N5142	2.8/3.0	250
SD5466A	2.9/3.1	500	1N5466A	2.9/3.1	500	1N5446A	2.6/3.1	350	HA1930A	4:0	600	GC1766	7:1	800	1N5143	2.8/3.0	250
SD5467A	2.9/3.1	500	1N5467A	2.9/3.1	500	1N5447A	2.6/3.1	350									
SD5468A	2.9/3.2	500	1N5468A	2.9/3.2	500	1N5448A	2.6/3.2	350	HA1934A	4:0	600	GC1767	7:1	800	1N5144	3.2/3.4	200
SD5469A	2.9/3.2	500	1N5468A	2.9/3.2	500	1N5449A	2.6/3.2	350	HA1936A	4:0	600	GC1768	7:1	600	1N5145	3.2/3.4	200
SD5470A	2.9/3.2	500	1N5478A	2.9/3.2	500	1N5450A	2.6/3.2	350	HA1938A	4:0	600	GC1769	7:1	600	1N5146	3.2/3.4	200
SD5471A	2.9/3.2	450	1N5471A	2.9/3.2	450	1N5451A	2.6/3.2	300	HA1940A	4:0	500	GC1770	7:1	600	1N5147	3.2/3.4	200
SD5472A	2.9/3.2	400	1N5472A	2.9/3.2	400	1N5452A	2.6/3.2	250	HA1942A	4:0	500				1N5148	3.2/3.4	200
SD5473A	2.9/3.3	300	1N5473A	2.9/3.3	300	1N5453A	2.6/3.3	200	HA1944A	4:0	400						
SD5474A	2.9/3.3	250	1N5474A	2.9/3.3	250	1N5454A	2.7/3.3	175	HA1946A	4:0	300				NOTE IN THIS COLUMN ADD SUFFIX "A" FOR 5% CAPACITY TOLERANCE		
SD5475A	2.9/3.3	225	1N5475A	2.9/3.3	225	1N5455A	2.7/3.3	175	HA1948A	4:0	250						
SD5476A	2.9/3.3	200	1N5476A	2.9/3.3	200	1N5456A	2.7/3.3	175	HA1950A	4:0	200						
30 Vdc @ IR 0.004 uAdc			30 Vdc @ IR = 10 uAdc			30 Vdc @ IR = 10 uAdc			30 Vdc @ IR = 10 uAdc			60 Vdc @ IR = 10 uAdc			60 Vdc @ IR = 10 uAdc		
0.004 uAdc @ VR 30 Vdc			0.02 uAdc @ VR = 25 Vdc 2.0 uAdc @ TA = 150°C			0.02 uAdc @ VR = 25 Vdc 2.0 uAdc @ TA = 150°C			0.02 uAdc @ VR = 25 Vdc 2.0 uAdc @ TA = 150°C			0.02 uAdc @ VR = 55 Vdc 2.0 uAdc @ TA = 125°C			0.02 uAdc @ VR = 55 Vdc 2.0 uAdc @ TA = 150°C		
300 ppm/°C			300 ppm/°C			300 ppm/°C			400 ppm/°C			200 ppm/°C			200 ppm/°C		
DO 7			DO 7			DO 7			DO 7			MIN DO 7 GC1759 62 DO 7 GC1763 70			DO 7		

HYPERABRUPT

HYPER C™

ELECTRICAL CHARACTERISTICS (T_A = 25°C)

	DIODE CAPACITANCE (pf) @ C (Volts Bias) /pf @ 1 MHz				CAPACITANCE TUNING RATIO (T_R)							
TYPE NO.	C3/pf min/max	C4/pf min/max	C8/pf min/max	C20/pf min/max	C3/C20 min/max	C4/C8 min/max	C4/C20 min/max	Q4 @ 50 MHz min	V_R @ I_R = 1 uA Vdc - min	IR VR = 20 Vdc uAdc max	IR VR = 10 Vdc uAdc max	CASE
2001		18.0/22.0	7.5/10.5	3.1/3.9			5.4/6.8	160	22	0.1		
2002		18.0/22.0	7.5/10.5			1.8/2.7		160	15		0.1	
2101	10.5/12.5		4.3/5.7	2.0/2.3	5.0/5.8			300	22	0.1		DO-7
2102	10.5/12.5		4.3/5.7	2.0/2.4	4.7/5.5			200	22	0.1		ALL
2001			10.0/13.5	4.5/5.1	5.2/6.1			200	22	0.1		
2002			10.0/13.5	4.5/5.3	4.9/5.8			150	22	0.1		

SECTION 4