

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 C4/C30 min/typ	Q4 @ 50 MHz min	TYPE NO.	RATIO C4/C60 min/typ	Q4 @ 50 MHz min
SQ5461A	2.7/3.1	600	1N5461A	2.7/3.1	600	1N5441A	2.5/3.1	450	HA1815A	3.1	1000	GC1754	5.1	1200			
SQ5462A	2.8/3.1	600	1N5462A	2.8/3.1	600	1N5442A	2.5/3.1	450	HA1816A	3.1	1000	GC1755	5.1	1200	1N5130	2.7/2.9	350
SQ5463A	2.8/3.1	550	1N5463A	2.8/3.1	550	1N5443A	2.6/3.1	400	HA1817A	3.1	1000	GC1756	5.1	1200	1N5140	2.8/3.0	300
SQ5464A	2.8/3.1	550	1N5464A	2.8/3.1	550	1N5444A	2.6/3.1	400	HA1818A	3.2	900	GC1757	6.1	1100	1N5141	2.8/3.0	300
SQ5465A	2.8/3.1	550	1N5465A	2.8/3.1	550	1N5445A	2.6/3.1	400	HA1819A	3.2	800	GC1758	6.1	1100	1N5142	2.8/3.0	250
SQ5466A	2.9/3.1	500	1N5466A	2.9/3.1	500	1N5446A	2.6/3.1	350	HA1920A	3.8	800	GC1760	7.1	1000	1N5143	2.8/3.0	250
SQ5467A	2.9/3.1	500	1N5467A	2.9/3.1	500	1N5447A	2.6/3.1	350	HA1922A	3.9	800	GC1761	7.1	1000			
SQ5468A	2.9/3.2	500	1N5468A	2.9/3.2	500	1N5448A	2.6/3.2	350	HA1924A	3.9	700	GC1762	7.1	1000	1N5144	3.2/3.4	200
SQ5469A	2.9/3.2	500	1N5469A	2.9/3.2	500	1N5449A	2.6/3.2	350	HA1926A	3.9	700	GC1763	7.1	900	1N5145	3.2/3.4	200
SQ5470A	2.9/3.2	500	1N5470A	2.9/3.2	500	1N5450A	2.6/3.2	350	HA1928A	4.0	600	GC1764	7.1	900	1N5146	3.2/3.4	200
SQ5471A	2.9/3.2	450	1N5471A	2.9/3.2	450	1N5451A	2.6/3.2	300	HA1930A	4.0	600	GC1765	7.1	900	1N5147	3.2/3.4	200
SQ5472A	2.9/3.2	400	1N5472A	2.9/3.2	400	1N5452A	2.6/3.2	250	HA1932A	4.0	500	GC1766	7.1	800	1N5148	3.2/3.4	200
SQ5473A	2.9/3.3	300	1N5473A	2.9/3.3	300	1N5453A	2.6/3.3	200	HA1934A	4.0	600	GC1767	7.1	800			
SQ5474A	2.9/3.3	250	1N5474A	2.9/3.3	250	1N5454A	2.7/3.3	175	HA1936A	4.0	600	GC1768	7.1	600			
SQ5475A	2.9/3.3	225	1N5475A	2.9/3.3	225	1N5455A	2.7/3.3	175	HA1938A	4.0	500	GC1769	7.1	600			
SQ5476A	2.9/3.3	200	1N5476A	2.9/3.3	200	1N5456A	2.7/3.3	175	HA1940A	4.0	250	GC1770	7.1	600			
	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	

NOTE IN THIS COLUMN
 ADD SUFFIX "A" FOR
 5% CAPACITY TOLERANCE

HYPERABRUPT

HYPER C™

ELECTRICAL CHARACTERISTICS (TA = 25°C)

TYPE NO.	DIODE CAPACITANCE (pF) @ C (Volts Bias) / pF @ 1 MHz			CAPACITANCE TUNING RATIO (TR)			Q4 @ 50 MHz min	VR @ IR = 1 uA Vdc - min	IR		CASE
	C3/pf min/max	C4/pf min/max	C8/pf min/max	C3/C20 min/max	C4/C8 min/max	C4/C20 min/max			VR = 20 Vdc uAdc max	VR = 10 Vdc uAdc max	
2061		18.0/22.0	7.5/10.5	3.1/3.9			160	22	0.1		
2062		18.0/22.0	7.5/10.5				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		
2102	10.5/12.5		4.3/5.7	2.0/2.4	4.7/5.5	1.8/2.7	200	22	0.1		DO 7 ALL
2801			10.0/13.5	4.5/5.1	5.2/6.1		200	22	0.1		
2802			10.0/13.5	4.5/5.3	4.9/5.8		150	22	0.1		

SECTION 4