

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/C60 min/typ	Q4 @ 50 MHz min		TYPE NO.	RATIO C4/C60 min/typ	Q4 @ 50 MHz min	
S05461A	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		1N5130	2.7/2.9	350	
S05462A	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		1N5140	2.8/3.0	300	
S05463A	2.8/3.1	550		1N5463A	2.8/3.1	550		1N5443A	2.6/3.1	400		HA1817A	3.1	1000		GC1756	6.1	1100		1N5141	2.8/3.0	300	
S05464A	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		1N5142	2.8/3.0	250	
S05465A	2.8/3.1	550		1N5465A	2.8/3.1	550		1N5445A	2.6/3.1	400		HA1819A	3.2	800		GC1758	7.1	1100		1N5143	2.8/3.0	250	
S05466A	2.9/3.1	500		1N5466A	2.9/3.1	500		1N5446A	2.6/3.1	350		HA1820A	3.8	800		GC1759	7.1	1000		1N5144	3.2/3.4	200	
S05467A	2.9/3.1	500		1N5467A	2.9/3.1	500		1N5447A	2.6/3.1	350		HA1822A	3.9	800		GC1760	7.1	1000		1N5145	3.2/3.4	200	
S05468A	2.9/3.2	500		1N5468A	2.9/3.2	500		1N5448A	2.6/3.2	350		HA1824A	3.9	700		GC1761	7.1	900		1N5146	3.2/3.4	200	
S05469A	2.9/3.2	500		1N5469A	2.9/3.2	500		1N5449A	2.6/3.2	350		HA1826A	3.9	700		GC1762	7.1	900		1N5147	3.2/3.4	200	
S05470A	2.9/3.2	500		1N5470A	2.9/3.2	500		1N5450A	2.6/3.2	350		HA1828A	4.0	600		GC1763	7.1	800		1N5148	3.2/3.4	200	
S05471A	2.9/3.2	450		1N5471A	2.9/3.2	450		1N5451A	2.6/3.2	300		HA1830A	4.0	600		GC1764	7.1	800		NOTE IN THIS COLUMN ADD SUFFIX "A" FOR 5% CAPACITY TOLERANCE			
S05472A	2.9/3.2	400		1N5472A	2.9/3.2	400		1N5452A	2.6/3.2	250		HA1832A	4.0	500		GC1765	7.1	600					
S05473A	2.9/3.3	300		1N5473A	2.9/3.3	300		1N5453A	2.6/3.3	200		HA1834A	4.0	400		GC1766	7.1	600					
S05474A	2.9/3.3	250		1N5474A	2.9/3.3	250		1N5454A	2.7/3.3	175		HA1836A	4.0	300		GC1767	7.1	600					
S05475A	2.9/3.3	225		1N5475A	2.9/3.3	225		1N5455A	2.7/3.3	175		HA1838A	4.0	250		GC1768	7.1	600					
S05476A	2.9/3.3	200		1N5476A	2.9/3.3	200		1N5456A	2.7/3.3	175		HA1840A	4.0	200		GC1769	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			

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	C20/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	
2001		18.0/22.0	7.5/10.5	3.1/3.9			5.4/6.8	160	22	0.1	DO 7 ALL	
2002		18.0/22.0	7.5/10.5			1.8/2.7		160	15			
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			200	22	0.1		
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		