VARACTOR TUNING DIODES

JEDEC Part Number	Product Highlights	Capacitance at V_R=4.0 V and f=1.0 MHz (pF)	Figure of Merit at 4.0 V and 50 MHz Q Min	Capacitance Ratio from V_L Volts to V_{MW} Volts Min Typ Max	Maximum Working Voltage V_{MW} (Volts)	V_L (Volts)	Minimum Reverse Breakdown at I_R=10 uA V_{BR} (Volts)	Maximum Ratings
VVC1866	High Q High Voltage	10.0	500	3.0	60	4.0	65	Package Style DO-7 DC Power Dissipation @ T_A=25°C 400 mW Reverse Current @ T_A=25°C and V_R = 60.0 Volts 20 nA Reverse Current @ T_A=150°C and V_R = 60.0 Volts 20 uA Operating Temp. Range -65°C/+150°C Storage Temp. Range -65°C/+150°C Capacitance Tolerance ±10%
VVC1868		12.0	500	3.0				
VVC1870		15.0	400	3.0				
VVC1871		18.0	400	3.0				
VVC1872		22.0	400	3.2				
VVC1874		27.0	300	3.2				
VVC1876		33.0	300	3.2				
VVC1877		39.0	300	3.2				
VVC1878		47.0	300	3.2				
VVC1620	High Q Low Voltage	6.8	300	2.0 3.2	20	2.0	25	Package Style DO-7 DC Power Dissipation @ T_A=25°C 400 mW Reverse Current @ T_A=25°C and V_R = 15.0 Volts 100 nA Reverse Current @ T_A=150°C and V_R = 15.0 Volts 100 uA Operating Temp. Range -65°C/+175°C Storage Temp. Range -65°C/+200°C Capacitance Tolerance ±10%
VVC1622		7.0	300					
VVC1624		10.0	300					
VVC1626		12.0	300					
VVC1628		15.0	250					
VVC1630		18.0	250					
VVC1632		20.0	250					
VVC1634		22.0	250					
VVC1636		27.0	200					
VVC1638		33.0	200					
VVC1640		39.0	200					
VVC1642		47.0	200					
VVC1644		56.0	150					
VVC1646		68.0	150					
VVC1648		82.0	150					
VVC1650		100.0	150					
VVC1652	High Q High Cap.	120	250	2.6	20	2.0	25	Package Style DO-7 DC Power Dissipation @ T_A=25°C 400 mW Reverse Current @ T_A=25°C VVC1652 - VVC1660 V_R = 15.0 Volts 100 nA VVC1662 - VVC1666 V_R = 10.0 Volts 100 nA Operating Temp. Range -65°C/+175°C Storage Temp. Range -65°C/+200°C Capacitance Tolerance ±10%
VVC1654		150	250	2.6	20	2.0	25	
VVC1656		180	200	2.6	20	2.0	25	
VVC1658		200	200	2.6	20	2.0	25	
VVC1660		220	150	2.6	20	2.0	25	
VVC1662		250	150	2.3	15	2.0	20	
VVC1664		270	100	2.3	15	2.0	20	
VVC1666		330	100	2.3	15	2.0	20	
VVC3328	Mediim Q High Voltage	10	50	6.9	80	0.5	25	Package Style DO-7 DC Power Dissipation @ T_A=25°C 400 mW Forward Voltage Drop @ 100 mA 1.0 Vdc Reverse Current @ T_A=25°C and V_R = V_{MW} Volts 0.5 uA Operating Temp. Range -65°C/+150°C Storage Temp. Range -65°C/+150°C Capacitance Tolerance Standard Device ±20% Suffix A ±10% Suffix B ±5% Suffix C ±2% Suffix D ±1%
VVC3329			100	7.7	100			
VVC3330			50	4.5	30			
VVC3331		15	50	4.6	30			
VVC3332			125	5.9	50			
VVC3333			50	7.0	80			
VVC3334			100	7.9	100			
VVC3335		22	50	7.5	80			
VVC3336			100	8.2	100			
VVC3337			50	4.6	30			
VVC3338			125	6.0	50			
VVC3339		33	50	4.6	30			
VVC3340			125	6.0	50			
VVC3341			50	7.5	80			
VVC3342			100	8.2	100			
VVC3343		47	50	7.4	80			
VVC3344			100	8.0	100			
VVC3345			75	8.0	100			
VVC3346			50	4.6	30			
VVC3347			100	6.0	50			