

VARACTOR TUNING DIODES

JEDEC Part Number	Product Highlights	Capacitance at $V_r=4.0$ V and $f=1.0$ MHz	Figure of Merit at 4.0 V and 50 MHz	Capacitance Ratio from V_r Volts to V_{rw} Volts	Maximum Working Voltage	V_r (Volts)	Minimum Reverse Breakdown at $I_r=10$ μ A	Maximum Ratings
		(pF)		Min Typ Max	V_{rw} (Volts)		V_{br} (Volts)	
VVC3289	High Voltage	7	7.0	6.9	100	0.5	110	Package Style DO-7 Package Style DO-14 DC Power Dissipation @ $T_A=25^\circ\text{C}$ 400 mW Forward Voltage Drop @ 100 mA 1.0 Vdc Reverse Current @ $T_A=25^\circ\text{C}$ and $V_r = V_{rw}$ Volts 5.0 nA Operating Temp. Range -65°C/+150°C Storage Temp. Range -65°C/+150°C Capacitance Tolerance Standard Device $\pm 20\%$ Suffix A $\pm 10\%$ Suffix B $\pm 5\%$ Suffix C $\pm 2\%$ Suffix D $\pm 1\%$
VVC3290		10		6.9	100		110	
VVC3291		12		7.5	100		110	
VVC3292		15		7.5	100		110	
VVC3293		20		7.9	90		99	
VVC3294	Very Low Leakage	27		7.4	65		72	
VVC3295		33		6.5	60		66	
VVC3296		39		6.3	55		61	
VVC3297		47		6.1	50		55	
VVC3298	Leakage	56		5.7	40		44	
VVC3299		68		4.6	30		33	
VVC3300		82		4.0	20		22	
VVC3301		100		4.0	20		22	
VVC3315	Low Voltage	7	7.0	4.1	25	0.5	28	
VVC3316		10		4.1	25		28	
VVC3317		12		4.2	25		28	
VVC3318		15		4.2	25		28	
VVC3319		20		3.9	20		22	
VVC3320	Very Low Leakage	27		4.0	20		22	
VVC3321		33		4.1	20		22	
VVC3322		39		4.1	20		22	
VVC3323		47		3.9	20		22	
VVC3324	Leakage	56		3.5	15		17	
VVC3325		68		3.5	15		17	
VVC3326		82		3.5	15		17	
VVC3327		100		3.5	15		17	
VVC3276	High Voltage	7	7.0	6.9	100	0.5	110	Package Style DO-7 Package Style DO-14 DC Power Dissipation @ $T_A=25^\circ\text{C}$ 400 mW Forward Voltage Drop @ 100 mA 1.0 Vdc Reverse Current @ $T_A=25^\circ\text{C}$ and $V_r = V_{rw}$ Volts 100 nA Operating Temp. Range -65°C/+150°C Storage Temp. Range -65°C/+150°C Capacitance Tolerance Standard Device $\pm 20\%$ Suffix A $\pm 10\%$ Suffix B $\pm 5\%$ Suffix C $\pm 2\%$ Suffix D $\pm 1\%$
VVC3277		10		6.9	100		110	
VVC3278		12		7.5	100		110	
VVC3279		15		7.5	100		110	
VVC3280		20		7.9	90		99	
VVC3281	Low Leakage	27		7.4	65		72	
VVC3282		33		6.5	60		66	
VVC3283		39		6.3	55		61	
VVC3284		47		6.1	50		55	
VVC3285	Leakage	56		5.7	40		44	
VVC3286		68		4.6	30		33	
VVC3287		82		4.0	20		22	
VVC3288		100		4.0	20		22	
VVC3302	Low Voltage	7	7.0	4.1	25	0.5	28	
VVC3303		10		4.1	25		28	
VVC3304		12		4.2	25		28	
VVC3305		15		4.2	25		28	
VVC3306		20		3.9	20		22	
VVC3307	Low Leakage	27		4.0	20		22	
VVC3308		33		4.1	20		22	
VVC3309		39		4.1	20		22	
VVC3310		47		3.9	20		22	
VVC3311	Leakage	56		3.5	15		17	
VVC3312		68		3.5	15		17	
VVC3313		82		3.5	15		17	
VVC3314		100		3.5	15		17	