

Silicon Abrupt Varactors: General Purpose



Glass Axial Leaded

MV830 – MV840				Glass Axial Leaded			
Model	C _T Diode Capacitance pF			Quality Factor Q		Tuning Ratio T _R	
	MIN	TYP	MAX	MIN	TYP	MIN	TYP
MV830	13.5	15.0	16.5	30	35	1.8	2.00
MV831	6.2	18.0	19.8	25	30	1.8	2.00
MV832	19.8	22.0	24.2	25	30	1.8	2.10
MV833	24.3	27.0	29.7	25	30	1.8	2.10
MV834	29.7	33.0	36.3	20	25	1.9	2.12
MV835	35.1	39.0	42.9	20	25	1.9	2.12
MV836	42.3	47.0	51.7	15	20	1.9	2.15
MV837	50.4	56.0	61.6	15	20	1.9	2.15
MV838	61.2	68.0	74.8	15	20	2.0	2.18
MV839	73.8	82.0	90.2	10	15	2.0	2.18
MV840	90.0	100.0	10.0	10	15	2.0	2.18
Test Conditions	@ -4 V, F= 1MHz			@ -4 V, 50 MHz		C _T 4V / C _T 25V, 1 MHz	
Maximum Ratings	Parameters		Value	Rating			
	DC Power Dissipation		400 mW				
	Min Reverse Breakdown Voltage		30 Vdc				
	Max Reverse Current		@ 25 Vdc	0.2 μA			
	Operating Temperature			-65° to +150° C			
	Storage Temperature			-65° to +200° C			
	Junction Temperature		+175° C				