

Silicon Hyperabrupt Tuning Varactors: Portable



Plastic SMT

- Available in Tape and Reel
- Small and High Volume Commercial Applications
- Wide Selection of Capacitance Ranges

The Aeroflex / Metelics Hyperabrupt Varactors come in a wide variety of capacitance values and high capacitance ratios. These devices are available in single junction, common anode and common cathode configurations.

Single and Common Cathode							Surface Mount	
Model	Capacitance pF		Capacitance RATIO		Capacitance RATIO		RS Ω	Q
	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX
MSV1104-33-323	3.00	3.60	1.40	1.90	2.60	3.30	1.20	1200
MSV1204-33-001	3.00	3.60	1.40	1.90	2.60	3.30	1.20	1200
MSV1204-133-004	3.00	3.60	1.40	1.90	2.60	3.30	1.20	1200
MSV1104-34-323	5.8	7.15	1.60	2.00	2.80	3.40	0.80	1000
MSV1204-34-001	5.85	7.15	1.60	2.00	2.80	3.40	0.80	1000
MSV1204-134-004	5.85	7.15	1.60	2.00	2.80	3.40	0.80	1000
MSV1104-35-323	10.35	12.65	1.60	2.00	2.90	3.40	0.60	750
MSV1204-35-001	10.35	12.65	1.60	2.00	2.90	3.40	0.60	750
MSV1204-135-004	10.35	12.65	1.60	2.00	2.90	3.40	0.60	750
MSV1104-36-323	15.50	18.50	1.60	2.00	3.00	3.50	0.50	700
MSV1204-36-001	15.50	18.50	1.60	2.00	3.00	3.50	0.50	700
MSV1204-136-004	15.50	18.50	1.60	2.00	3.00	3.50	0.50	700
MSV1204-37-001	45.00	54.00	1.60	2.00	3.00	3.50	0.25	500
Test Conditions	C _T @ -1 Vdc, F = 1 MHz		C _T 1 V / C _T 3 V		C _T 1 V / C _T 6 V		@ 50 MHz	@ 3 V, 50 MHz
Maximum Ratings	Parameters		Rating					
	Reverse Breakdown Voltage		10 mA: 15 V MIN					
	Reverse Leakage Current		12 V: 50 nA MAX					