



Surface Mount Varactor
2043 SERIES
HYPERABRUPT TUNING DIODES
 UHF + VHF + L BAND

- Superior Performance in Highly Stable Oscillator Designs
- Uniform Capacitance / Temperature Coefficient
- Highly Reproducible Ion Implanted Structure

PART NUMBER ◆◆◆	C _T @ 1.0 V (pF)		C _T @ 1V / C _T @ 3.0V RATIO		C _T @ 1V / C _T @ 6.0V RATIO		Rs @ 3.0V 500 MHz	AVAILABLE IN THE FOLLOWING PACKAGES
	MIN	MAX	MIN	MAX	MIN	MAX	MAX	
SMV20432	2.34	2.86	1.5	1.9	2.6	3.3	1.50 Ω	-01, -06, -07, -08, -09, -10
SMV20433	3.00	3.60	1.5	1.9	2.6	3.3	1.20 Ω	-01, -06, -07, -08, -09, -10
SMV20434	5.85	7.15	1.6	2.0	2.8	3.4	0.80 Ω	-01, -06, -07, -08, -09, -10
SMV20435	10.35	12.65	1.6	2.0	2.9	3.4	0.60 Ω	-01, -06, -07, -08, -09, -10
SMV20436	15.50	18.50	1.6	2.0	3.0	3.5	0.50 Ω	-01, -06, -07, -08, -09, -10
SMV20437	45.00	54.00	1.6	2.0	3.0	3.5	0.25 Ω	-01, -06, -07, -08, -09, -10

Reverse Breakdown Voltage (VBR)	10 μAdc	15 Volt Min
Max Reverse Leakage Current (IR)	VR = 12 Volts	20 nAdc
Device Dissipation (PD)	Ta = 25°C	250 mW
Junction Temperature (TJ)		125°C
Operating Temperature (Topr)		-55° to +125°C
Storage Temperature (Tstg)		-65° to +150°C

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Package Styles

Requires adding a dash number to the part number

SOT23 Single	-08
SOT23 Common Anode	-09
SOT23 Common Cathode	-10
SOD323	-06
SOD523 (SC79, SC90)	-07
CHIPS	-01