

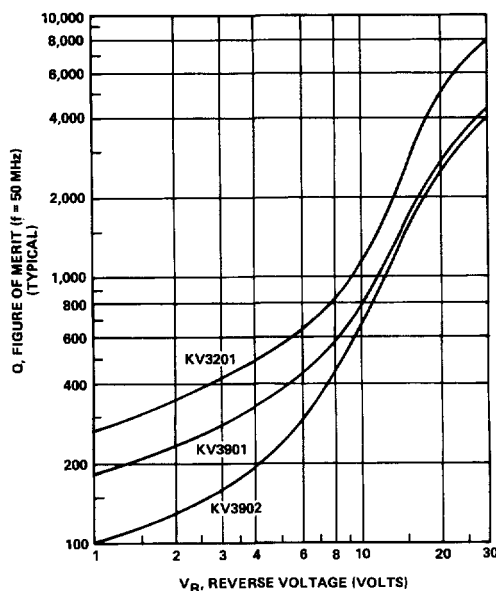
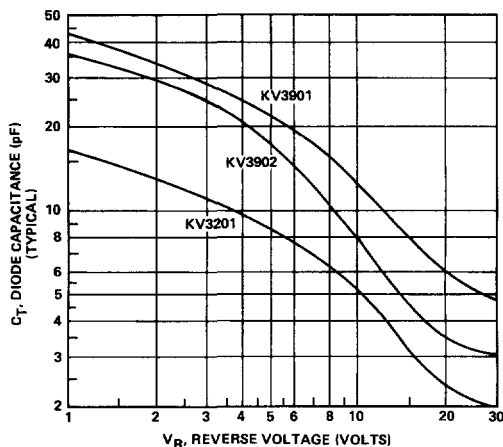
LOW COST UHF HYPERABRUPT JUNCTION VARACTOR DIODES

- Low Inductance
- Wide Capacitance Swing
- High Q
- Superior Reproducibility
- Hermetic Glas (DO-34) Package

RATINGS

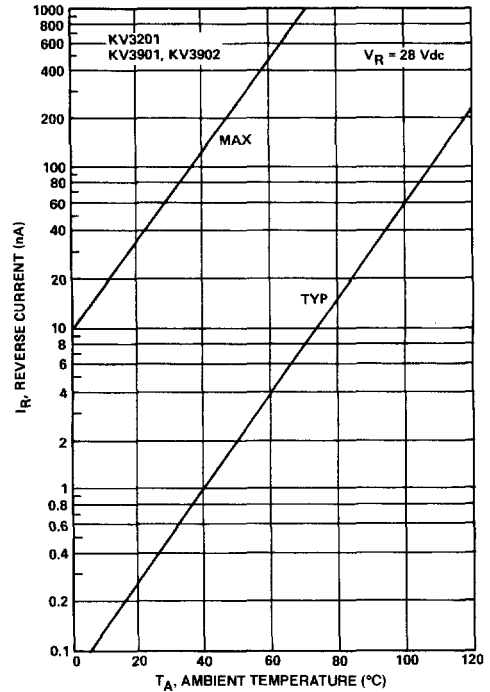
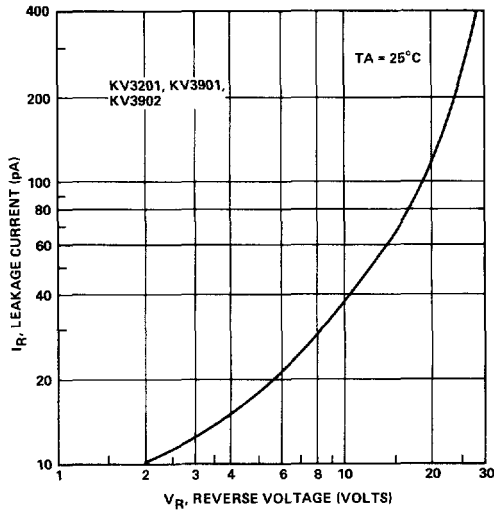
Reverse Voltage (V_R): 30 Vdc
 Forward Current (I_F): 200 mAdc
 Power Dissipation (P_d) at:
 $T_A = 25^\circ\text{C}$ 400 mW
 Derate above 25°C 4.0 mW/ $^\circ\text{C}$
 Maximum Junction Temp. (T_j): $+125^\circ\text{C}$
 Storage Temp. (T_{stg}): -65 to $+150^\circ\text{C}$

MODEL NUMBER	C _T DIODE CAPACITANCE (pF) f = 1 MHz		T _R TUNING RATIO f = 1 MHz C (3V) / C (25V) MIN / TYP / MAX	Q V _R = 3 Vdc f = 50 MHz MIN / TYP	V _{BR} (Vdc) I _R = 10 μ Adc MIN	I _R (nAdc) V _R = 28 Vdc MAX	CATHODE STRIPE	PACKAGE
	V _R = 3 Vdc MIN / TYP / MAX	V _R = 25 Vdc MIN / TYP / MAX						
KV3201	9 / 11 / 13	2.0 / 2.1 / 2.3	4.5 / 5.2 / 5.8	300 / 415	30	50	WHITE	DO-34
KV3901	26 / 29 / 32	4.5 / 5.1 / 6.0	5.0 / 5.7 / 6.5	200 / 280	30	50	YELLOW	DO-34
KV3902	22.5 / 25 / 27.5	2.9 / 3.2 / 3.5	6.8 / 7.8 / 8.9	115 / 160	30	50	GREEN	DO-34



Tuning Varactors

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SEMICONDUCTOR OPERATION

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