

Silicon Abrupt Varactors: General Purpose



Glass Axial Leaded

KSV2101 – KSV2115			Glass Axial Leaded	
Model	Total Capacitance	Quality Factor Q	Capacitance Ratio	
	pF	MIN	MIN	MAX
KSV2101	6.8	450	2.5	3.2
KSV2102	8.2	450	2.5	3.2
KSV2103	10.0	400	2.5	3.2
KSV2104	12.0	400	2.5	3.2
KSV2105	15.0	400	2.5	3.2
KSV2106	18.0	350	2.5	3.2
KSV2107	22.0	350	2.5	3.2
KSV2108	27.0	300	2.5	3.2
KSV2109	33.0	200	2.5	3.2
KSV2110	39.0	150	2.5	3.2
KSV2111	47.0	150	2.5	3.2
KSV2112	56.0	150	2.6	3.3
KSV2113	68.0	150	2.6	3.3
KSV2114	82.0	100	2.6	3.3
KSV2115	100.0	100	2.6	3.3
Test Conditions	@ -4 V, 1MHz	@ -4 V, 50 MHz	$C_T 2 / C_T 30$ V, 1 MHz	

Maximum Ratings	Parameters	Rating
	DC Power Dissipation	400 mW
	Reverse Breakdown Voltage	30 V min
	Max Reverse Current @ Ta = 25° C	0.1 μA @ 25 Vdc
	Operating Temperature Topr	-65° to 175° C
	Storage Temperature Tstg	-65° to 200° C
	Capacitance Tolerance:	+10%