Variable Capacitance Diodes Application (For AM)

AM用 電圧可変容量ダイオード 用途別一覧

Type	Application	Operating voltage (V)	Layout	*1 Capacitance (pF)	Capacitance ratio	Wide band coverage	Q Min.	*2 ΔC Max.	Package	Surface mounting	Taping
KV1226	Tun.	25	2 element	C_{1V}: 510～620 C_{25V}:16～26	20 Min.	●	200 1V, 1MHz	2% *3	CB2-4		
KV1230Z	VCO	8	1 element	C_{1V}: 445～535 C_{8V}: 22.5～30.5	16.5～22		200 1V, 1MHz		CB1-2		
KV1234Z	Tun.		4 element					2%	CB4-8		
KV1235Z	Tun.		3 element					2%	CB3-6		
KV1236Z	Tun.		2 element					1%	CB2-4		
KV1260	Tun.		2 element, 1 chip					1%	CB1-3		
KV1260-2	Tun.		4 element, 2 chip					1%	CB2-6		
KV1260M	Tun.		2 element, 1 chip					1%	MFP8	●	●
KV1280-1	Tun.	7	2 element, 1 chip	C_{1V}: 428～506 C_{4V}: 92 C_{7V}: 20～28	17 Min.	●	200 1V, 1MHz	1%	CB1-3		
KV1280-2	Tun.		4 element, 2 chip			●		1.5%	CB2-6		
KV1281-1	VCO		1 element						CB1-2		
KV1281-2	Tun.		2 element, 2 chip			●		1%	CB2-4		
KV1281-3	Tun.		3 element, 3 chip			●		2%	CB3-6		
KV1296M	Tun.	8	6 element, 1 chip	C_{1V}: 620～720 C_{8V}: 30～44	16 Min. 17 Typ.		200 1V, 1MHz	2.5%	MFP8	●	●
KV1530	VCO	9	1 element	C_{1V}: 450～530 C_{9V}: 24 (Typ.)	12 Min.		250 1V, 1MHz		SOT23	●	●
KV1550	Tun.	4.5	2 element, 1 chip	C_{1V}: 400～445 $C_{4.5V}$: 21～26	16.5～20		200 1V, 1MHz	2%	SOT23L-3	●	●
KV1550A-1	Tun.		2 element, 1 chip					2%	CB1-3		
KV1550NT	Tun.		2 element, 1 chip					2%	TO92NT		●
KV1551	VCO		1 element						SOT23	●	●
KV1551A-1	VCO		1 element						CB1-2		
KV1551A-2	Tun.		2 element, 2 chip					2%	CB2-4		
KV1551A-3	Tun.		3 element, 3 chip					2%	CB3-6		
KV1560	Tun.	8	2 element, 1 chip	C_{1V}: 428～506 $C_{4.5V}$: 100 C_{8V}: 20～27.5	17 Min.	●	200 1V, 1MHz	1%	SOT23L-3	●	●
KV1560NT	Tun.		2 element, 1 chip			●		1%	TO92NT		●
KV1561	VCO	8	1 element	C_{1V}: 428～506 $C_{4.5V}$: 100 C_{8V}: 20～27	17 Min.		200 1V, 1MHz		SOT23	●	●
KV1561A-1	VCO	8	1 element	C_{1V}: 410～506 $C_{4.5V}$: 100 C_{8V}: 20～27.5	17 Min.		200 1V, 1MHz		CB1-2		
KV1561A-2	Tun.		2 element, 2 chip			●		1%	CB2-4		
KV1561A-3	Tun.		3 element, 3 chip			●		1.5%	CB3-6		
KV1562M	Tun.	8	4 element, 1 chip	C_{1V}: 428～506 $C_{4.5V}$: 100 C_{8V}: 20～27	17 Min.	●	200 1V, 1MHz	1.2%	MFP8	●	●
KV1563A	Tun.		3 element, 1 chip			●		1.1%	CB1-4		
KV1563M	Tun.		3 element, 1 chip			●		1.1%	MFP8	●	●
KV1563BM	Tun.		3 element, 1 chip			●		2%	MFP8	●	●
KV1580	Tun.	6.5	2 element, 1 chip	C_{1V}: 424～475 C_{5V}: 50 $C_{6.5V}$: 21～27	17 Min. 17.5 Typ.	●	200 1V, 1MHz	1%	SOT23L-3	●	●
KV1580A-1	Tun.		2 element, 1 chip			●		1%	CB1-3		
KV1580NT	Tun.		2 element, 1 chip			●		1%	TO92NT		●
KV1581	VCO		1 element						S0T23	●	●
KV1581A-2	Tun.		2 element, 2 chip			●		1%	CB2-4		
KV1581A-3	Tun.		3 element, 3 chip			●		1%	CB3-6		
KV1582M	Tun.		4 element, 1 chip			●		1.2%	MFP8	●	●
KV1583A	Tun.		3 element, 1 chip			●		1.3%	CB1-4		
KV1583BM	Tun.		3 element, 1 chip			●		2%	MFP8	●	●

*1 With the capacity indicated on one element
容量値は1つのダイオードの値です。
*2 V_R = 1V
*3 C > 50pF

Variable Capacitance Diodes Application (For FM)

FM用 電圧可変容量ダイオード 用途別一覧

Type	Application	Operating voltage (V)	Layout	*1 Capacitance (pF)	Capacitance ratio	Wide band coverage	rs Max.	Δ C Max.	Package	Surface mounting	Taping
KV1300NT	Tun.	8	Twin type	C_{2V}: 69.13~79.61 C_{8V}: 23.38~27.29	2.1~2.6 V_R (V) 1/9		0.5 3V, 100MHz		TO92NT		●
KV1301A-1	VCO	9	Single type	C_{3V}: 28~33.2 C_{9V}: 12.0~14.0	2.0~2.7		0.5 30pF, 50MHz		CB1-2		
KV1301A-2	Tun.		Single type, 2 chip					1% *2	CB2-4		
KV1301A-3	Tun.		Single type, 3 chip					1.5% *2	CB3-6		
KV1310A-1	Tun.	8	Twin type	C_{2V}: 40.59~48.99 C_{8V}: 16.00~21.32	2.2~2.5		0.5 2V, 70MHz		CB1-3		
KV1310A-2	Tun.		Twin type, 2 chip					3%	CB2-6		
KV1310A-3	Tun.		Twin type, 3 chip					3%	CB3-9		
KV1310NT	Tun.		Twin type						TO92NT		●
KV1320	Tun.	25	Twin type	C_{7V}: 39.79~46.16 C_{25V}: 13.93~16.49	2.57~3.03		0.5 7V, 70MHz	3%	TO92		●
KV1330A-1	Tun.	9	Twin type	C_{2V}: 67.91~80.38 C_{6V}: 25.73~33.63 C_{9V}: 15.07~20.50	3.7~5.0	●	0.5 2V, 70MHz		CB1-3		
KV1330A-2	Tun.	9	Twin type, 2 chip	C_{2V}: 69.3~78.8 C_{6V}: 25.2~34.3 C_{9V}: 15.35~20.1	3.7~5.0	●	0.5 2V, 70MHz	3%	CB2-6		
KV1330A-3	Tun.		Twin type, 3 chip			●		3%	CB3-9		
KV1330NT	Tun.	9	Twin type	C_{2V}: 69.14~77.43 C_{6V}: 25.05~34.57 C_{9V}: 15.44~20.10	3.7~5.0	●	0.5 2V, 70MHz		TO92NT		●
KV1340A-1	Tun.	8	Twin type	C_{2V}: 41.7~48.6 C_{8V}: 27.0 (Typ.)	1.55~1.85		0.5 2V, 70MHz		CB1-3		
KV1340A-2	Tun.		Twin type, 2 chip						CB2-6		
KV1340A-3	Tun.		Twin type 3 chip					3%	CB3-9		
KV1350A-3	Tun.	9	Twin type, 3 chip	C_{1V}: 59.15~65.90 C_{6V}: 17.67~23.54 C_{9V}: 10.77~13.26	4.6 Min.	●	Q Min. 60 3V, 100MHz		CB3-9		
KV1350NT	Tun.		Twin type			●			TO92NT		●
KV1360NT	Tun.	4.5	Twin type	C_{1V}: 86.1~98.0 $C_{4.5V}$: 19.90~24.5	3.7 Min.	●	0.6 1.5V, 100MHz		TO92NT		●
KV1362A-1	Tun.	6.5	Single type	C_{1V}: 41.7~48.6 $C_{6.5V}$: 13.9~18.2	4.7 Min		0.5 1.5V, 100MHz		CB1-2		
KV1370NT	Tun.	4.5	Twin type	C_{1V}: 65.8~74.2 $C_{4.5V}$: 12.0~14.8	5.0 Min V_R (V) 1/5	●	0.5 1.5V, 100MHz		TO92NT		●
KV1371NT	VCO	4.5	Single type	C_{1V}: 35 (Typ.) $C_{4.5V}$: 7.7 (Typ.)	5.0 Min. V_R (V) 1/5		1.0 1.5V, 100MHz		TO92NT		●
KV1372A-1	VCO	4.5	Single type	C_{1V}: 65.8~74.2 $C_{4.5V}$: 12.0~14.8	5.0 Min. V_R (V) 1/5		0.5 1.5V, 100MHz		CB1-2		
KV1382A-1	VCO	8	Single type	C_{2V}: 131~171 C_{8V}: 16~23	6.5~9.5		1.0 3V, 70MHz		CB1-2		
KV1400	Tun.	8	Twin type	C_{2V}: 69.13~79.61 C_{8V}: 23.38~27.29	2.1~2.6 V_R (V) 3/8		0.5 3V, 100MHz		SOT23	●	●
KV1410	Tun.	8	Twin type	C_{2V}: 41.33~46.29 C_{8V}: 16.05~21.25	2.0~2.6		0.5 2V, 70MHz		SOT23	●	●
KV1420	Tun.	25	Twin type	C_{7V}: 39.79~46.16 C_{25V}: 13.93~16.49	2.57~3.03		0.5 7V, 70MHZ		SOT23	●	●
KV1430	Tun.	9	Twin type	C_{2V}: 69.14~77.43 C_{6V}: 25.05~34.57 C_{9V}: 15.44~20.10	3.7~5.0	●	0.5 2V, 70MHz		SOT23	●	●
KV1440	Tun.	8	Twin type	C_{2V}: 43.0~47.6 C_{8V}: 26.6 (Typ.)	1.65~1.75		Q Min. 100 3V, 100MHz		SOT23	●	●
KV1450	Tun.	9	Twin type	C_{1V}: 59.15~65.90 C_{6V}: 17.67~23.54 C_{9V}: 10.77~13.26	4.6 Min.	●	Q Min. 60 3V, 100MHz		SOT23	●	●
KV1460	Tun.	4.5	Twin type	C_{1V}: 86.1~98.0 $C_{4.5V}$: 19.9~24.5	3.7 Min.	●	0.6 1.5V, 100MHz		SOT23	●	●
KV1470	Tun.	4.5	Twin type	C_{1V}: 65.8~74.2 $C_{4.5V}$: 12.0~14.8	5.0 Min. V_R (V) 1/5	●	0.5 1.5V, 100MHz		SOT23	●	●
KV1471	VCO	4.5	Single type	C_{1V}: 32.65~37.87 $C_{4.5V}$: 6.2~9.2	5.0 Min. V_R (V) 1/5		1.0 1.5V, 100MHz		SOT23	●	●
KV1472	VCO	5	Single type	C_{1V}: 65.8~74.2 C_{5V}: 12.5 (Typ.)	5.0 Min		0.5 1.5V, 100MHz		SOT23	●	●
KV1480	Tun.	8	Twin type	C_{2V}: 150~200 C_{6V}: 30~44.0 C_{8V}: 14.5~21.5	7.5~11	●	1.0 3V, 70MHz		SOT23	●	●

*1 With the capacity indicated on one element *2 V_F = 3V
容量値は1つのダイオードの値です。

Variable Capacitance Diodes Application (For Communications Equipment)
通信機用 電圧可変容量ダイオード 用途別一覧

Type	Application	Operating voltage (V)	Layout	*1 Capacitance (pF)	Capacitance ratio	rs Max.	Package	Surface mounting	Taping
KV1811E	VCO	8	Single type	C_{1V}: 19.51 ~ 23.55 C_{8V}: 2.14 ~ 2.92	7.8 Typ.	1.8 8pF, 470MHz	URD	●	●
KV1812	VCO	8	Single type	C_{1V}: 14.50 ~ 17.50 C_{8V}: 1.64 ~ 2.24	7.4 Min.	2.1 6pF, 470MHz	SOT23	●	●
KV1821	VCO	25	Single type	C_{1V}: 18.4 (Typ.) C_{25V}: 2.64 ~ 3.04	6.8 Typ.	1.0 14pF, 470MHz	SOT23	●	●
KV1823	VCO	25	Single type	C_{1V}: 10.50 C_{25V}: 2.05 ~ 2.35	4.2 Min.	1.0 14pF, 470MHz	SOT23	●	●
KV1832C	VCO	4	Single type	C_{1V}: 15.4 ~ 17.9 C_{4V}: 3.60 ~ 5.05	3.4 Min.	0.7 7pF, 470MHz	SRD	●	●
KV1851	VCO	10	Single type	C_{1V}: 20 ~ 36 C_{10V}: 2.1 ~ 3.9	6.0 Min.		SOT23	●	●
KV1851A-1	VCO	10	Single type	C_{1V}: 20 ~ 36 C_{10V}: 2.1 ~ 3.9	6.0 Min.		CB1-2		

*1 With the capacity indicated on one element 容量値は1つのダイオードの値です

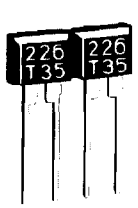
Package パッケージ一覧

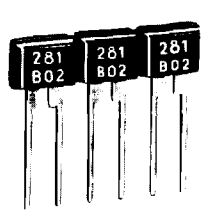
URD **SRD** **SOT23** **SOT23L-3** **MFP8**

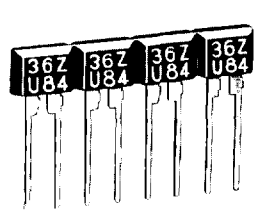




TO92NT **CB1-2** **CB2-4** **CB3-6** **CB4-8**







TO92 **CB1-3** **CB2-6** **CB3-9** **CB1-4**