

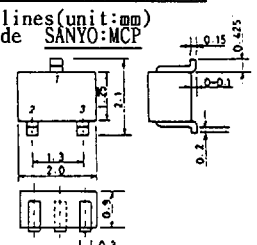
VARIABLE-CAPACITANCE DIODES (IOCAP)

Low-voltage and high-voltage variable capacitance diodes are available for both of AM electronic tuning use and FM electronic tuning use.

- Features** *High capacitance ratio *Single type and twin type available
 *Good linearity *High Q
 *Small-sized package
 $\blacklozenge: \Delta C_m = \frac{C_{max} - C_{min}}{C_{min}} \times 100$ * $\star: \Delta C_m = \frac{C_{Dn} - C_{D3}}{C_{D3}} \times 100$

Case Outlines (unit:mm)

1: Anode/Cathode
2: Anode
3: Cathode

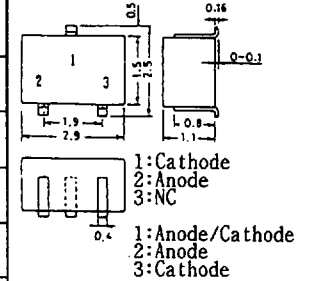


AM Electronic Tuning Use (Ta=25°C)

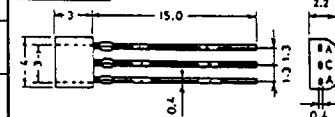
Type No. ():Marking	Package	Absolute Maximum Ratings V _R (V)	Electrical Characteristics		
			V _R (V)	C (PF) min max	ΔC _m max (%) ◆
SVC321SPA	SPA	16	1.2 8.0	388.1~459.1 20.3~27.05	3
SVC323	SPA	16	1.0 8.0	462.8~536.7 21.12~27.05	3
SVC333	SPA	32	3.0 25.0	345.0~408.4 18.92~25.61	2
SVC341(VA)	PCP	16	1.0 9.0	423.0~503.0 17.5~23.5	2
SVC342	NP	16	1.0 9.0	423.0~503.0 17.5~23.5	2
SVC343(VC) SVC344	PCP NP	30	1.0 4.5	410.0~445.0 21.0~26.0	2 3
SVC345(VB) SVC346	PCP NP	33	1.0 6.5	460.0~540.0 21.0~27.0	2
SVC352	SEP5	16	1.0 8.0	460.0~540.0 21.0~27.0	★±2.5
SVC353 SVC354 SVC355	MFP6	16	1.0 6.0 8.0	460.0~540.0 typ52.0 21.0~27.0	★±2.5 ★±2.5 ±2.5
SVC363 SVC364			1.0 8.0	428.0~500.0 20.5~27.0	★±2.5 ★±2.5

SANYO:CP

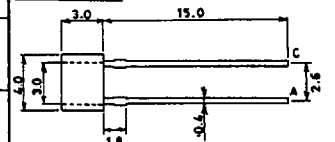
1: Cathode
2, 3: Anode



SANYO:SPA



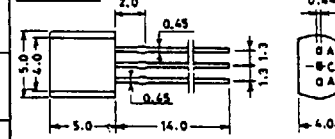
SANYO:SPA'



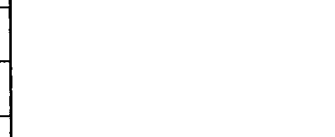
FM Electronic Tuning Use (Ta=25°C)

Type No. ():Marking	Package	Absolute Maximum Ratings V _R (V)	Electrical Characteristics		
			V _R (V)	C (PF) min max	ΔC _m max (%) ◆
SVC201SPA	SPA	16	1.6 7.5	28.19~37.45 10.17~12.99	5
SVC202SPA	SPA	16	1.6 7.5	28.19~37.45 10.17~12.99	5
SVC203SPA	SPA	16	3.0 8.0	36.92~43.03 12.64~16.84	3
SVC203CP(AV)	CP	16	1.0 9.0	58.8~65.98 10.84~13.40	6.5 11.8
SVC211SPA	SPA	32	3.0 25.0	37.0~42.0 14.8~18.2	-
SVC212(Y)	CP	16	2.0 8.0	43.0~47.5 24.5~28.8	-

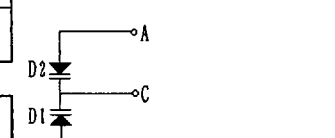
SANYO:NP



SANYO:SEP5

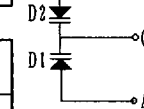


SVC341, SVC342, SVC343, SVC344,
SVC345, SVC346.

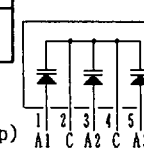


Other Use (FM, AFC, telephone, CB transceiver) (Ta=25°C)

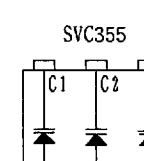
Type No.	Package	Absolute Maximum Ratings V _R (V)	Electrical Characteristics		
			V _R (V)	C (PF) min max	ΔC _m max (%) ◆
SVC251SPA SVC252(HV)	SPA CP	12 16	1.6 5.0	23~38 11~19	0.6



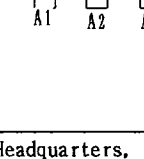
SVC352



SVC353



SVC354

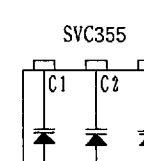


SVC355

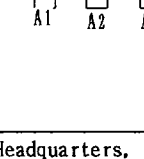
Pin Diodes (for VHF, UHF, AGC) (Ta=25°C)

All products are with V_R=50V, C=23PF (Typ.) except PCP with C=0.7PF (Typ.)
except CP (1SV272) with C=0.6PF (Typ.)

Type No.	Connect- ion type	r s (typ)			
		Conditions: IF=10mA, f=100MHz		IF=50mA, f=470MHz	
MCP	Single Series	1SV247(BV) 1SV246(CV)	1SV248(FV) 1SV249(GV)	1SV263(JV) 1SV264(KV)	For antenna SW
CP	Single Series	1SV233(BV) 1SV234(CV)	1SV250(FV) 1SV251(GV)	1SV266(JV) 1SV267(KV)	1SV272(MV)
CP5	Single Series	1SV241(EV)		1SV265(LV)	
PCP	Single				1SV268(VD)



SVC363



SVC364

For package pins, see a catalog.
These specifications are subject to change without notice.