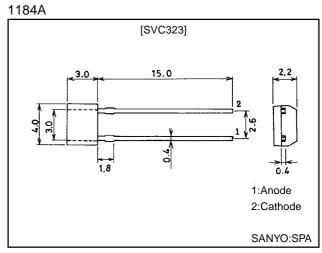


Features

- \cdot High capacitance ratio and high quality factor.
- · AM 1710kHz max. supported.

Package Dimensions

unit:mm



Specifications

Absolute Maximum Ratings at Ta = 25°C

Parameter	Symbol	Conditions	Ratings	Unit
Reverse Voltage	VR		16	V
Junction Temperature	Tj		125	°C
Storage Temperature	Tstg		-55 to +125	°C

Electrical Characteristics at Ta = 25°C

Parameter	Symbol	Conditions	Ratings			Unit
Falameter		Conditions		typ	max	Unit
Breakdown Voltage	V _(BR) R	I _R =10µA	16			V
Reverse Current	IR	V _R =9V			100	nA
Interterminal Capacitance	C _{1V}	V _R =1V, f=1MHz*1	462.8		536.7	pF
	C _{6V}	V _R =6V, f=1MHz	45.72		59.72	pF
	C _{8V}	V _R =8V, f=1MHz	21.12		27.05	pF
Quality Factor	Q	V _R =1V, f=100MHz	200			
Capacitance Ratio	CR	C _{1.0V} /C _{8.0V} , f=1MHz	17.5		24.5	
Matching Tolerance	ΔC_m	(C _{max} -C _{min})/C _{min} ×100			3.0	%

Note)*1:1MHz signal:20m Vrms

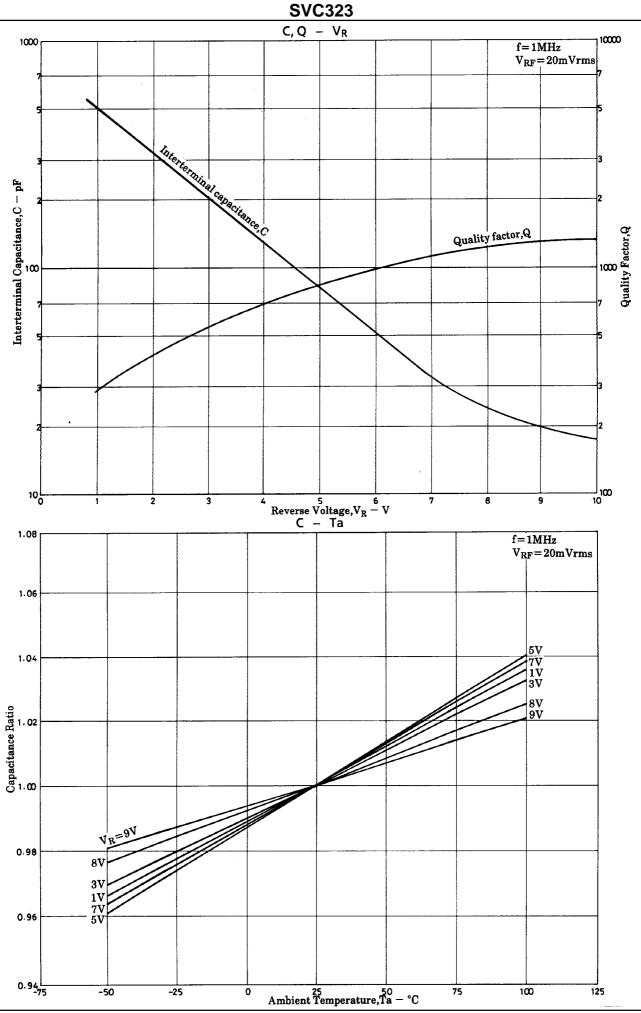
Note)*:The SVC323 is classified by $C_{1.0V}$ as follows:

Rank	C _{1.0V}		
R	462.8 to 486.2pF		
S	481.5 to 515.9pF		
Т	551.0 to 536.7pF		

(Specify two ranks or more in principle.)

Address and Capacitance Value

Test Point	C _{1.0V}		C _{6.0V}		C _{8.0V}		
	Address	(pF) Capacitance	Address	(pF) Capacitance	Address	$\underbrace{^{(pF)}}_{\text{Capacitance}}$	
	204	(^{462.8} 476.6	87	(^{45.72} 47.09	48	$(\frac{21.12}{21.75})$	
	205	(^{472.1} 486.2	88	$(\frac{46.63}{48.03})$	49	$\left(rac{21.54}{22.19} ight)$	
	206	(^{481.5} 495.9	89	(^{47.57} 48.99	50	$(\frac{21.97}{22.63}$	
	207	(^{491.1} 505.8	90	(^{48.52} 49.97	51	$\left({\begin{array}{*{22.41}\\{23.08}} \end{array} \right)$	
ne	208	< ^{500.9} 515.9	91	(^{49.49} 50.97	52	$\left({\begin{array}{*{20}c} 22.86\\ 23.55 \end{array} \right)$	
nce Val	209	$\left(rac{511.0}{526.3} ight)$	92	(^{50.48} 51.99	53	$\left({{23.32}\atop{24.02}} \right)$	
Capacitance Value	210	(^{521.1} 536.7	93	(^{51.49} 53.03	54	$\left({{23.78}\atop{24.50}} \right)$	
0			94	(^{52.52} 54.09	55	$(\frac{24.26}{24.99})$	
			95	(^{53.57} 55.17	56	$(rac{24.74}{25.49})$	
			96	$({54.64\atop56.28}$	57	$(\frac{25.24}{26.00})$	
			97	(^{55.73} 57.40	58	$(\frac{25.74}{26.52})$	
			98	(^{56.84} 58.55	59	$\left(rac{26.26}{27.05} ight)$	
			99	(^{57.98} 59.72			



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