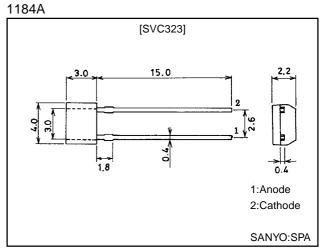


Features

- \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
	Symbol		min	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	∆C _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	

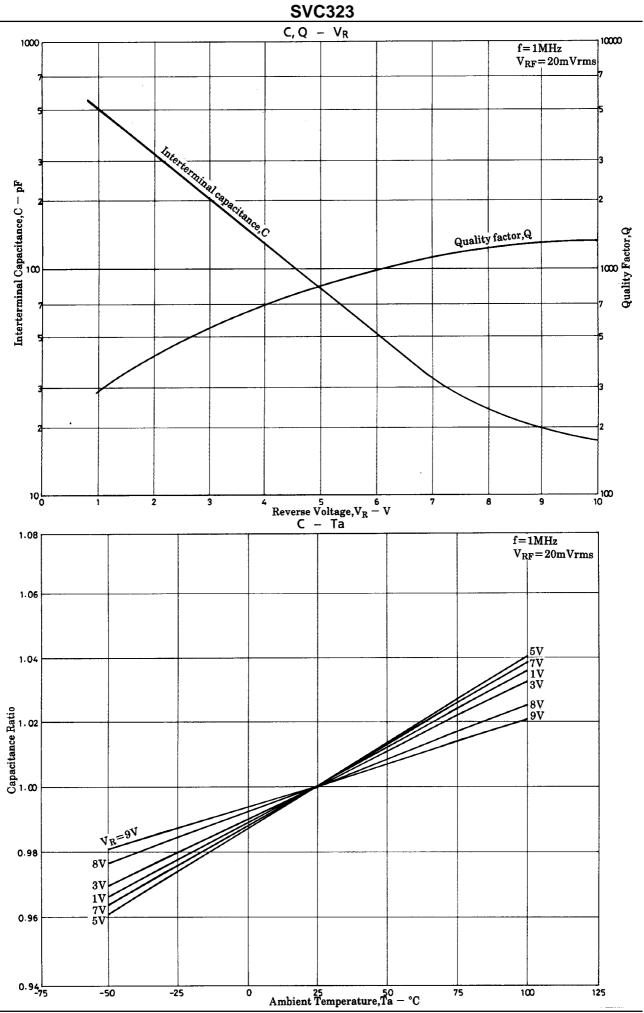
(Specify two ranks or more in principle.)

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Address and Capacitance Value

Test Point	C _{1.0V}	C _{6.0V}	C _{8.0V}	
	(pF) Address Capacitance	(pF) Address Capacitance	(pF) Address Capacitance	
	204 (^{462.8} 476.6	87 (^{45.72} 47.09	48 (21.12 21.75	
	205 $(\frac{472.1}{486.2})$	88 (^{46.63} 48.03	49 (^{21.54} 22.19	
	206 $(\frac{481.5}{495.9})$	89 (^{47.57} 48.99	$50 ({21.97 \atop 22.63})$	
	207 $(\frac{491.1}{505.8})$	90 (^{48.52} 49.97	51 $(\frac{22.41}{23.08})$	
ne	208 $(\frac{500.9}{515.9})$	91 (^{49.49} 50.97	52 ($\frac{22.86}{23.55}$	
Capacitance Value	$209 ({511.0 \atop 526.3})$	92 (^{50.48} 51.99	53 (^{23.32} 24.02	
Capacits	210 $(\frac{521.1}{536.7})$	93 (^{51.49} 53.03	54 ($\frac{23.78}{24.50}$	
		94 (^{52.52} 54.09	55 (^{24,26} 24,99	
		95 (^{53.57} 55.17	56 ($\frac{24.74}{25.49}$	
		96 $(\frac{54.64}{56.28})$	57 $(\frac{25.24}{26.00})$	
		97 (^{55.73} 57.40	58 ($\frac{25.74}{26.52}$	
		98 (^{56.84} 58.55	59 (^{26.26} 27.05	
		99 (^{57,98} 59.72		



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