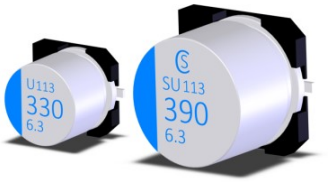
VSU Series

- **Ultra low ESR at a high frequency ranged**
- **High ripple current capability**
- **2,000 hours at 105℃**

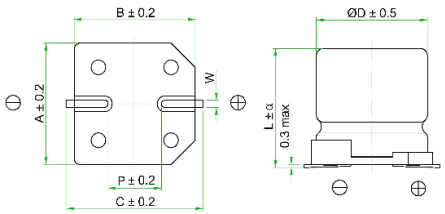


◆ SPECIFICATIONS

Item	Performance Characteristics
Category Temperature Range	-55 ~ +105℃
Working Voltage Range	2.5 ~ 6.3Vdc
Surge Voltage	Rated Voltage ×1.15
Capacitance Tolerance	M: ±20% (at 25℃ and 120Hz)
ESR	See the standard ratings table (at 25℃, 100~300KHz)
Dissipation Factor (Tanδ)	See the standard ratings table (at 25℃, 120Hz)
Leakage Current ※1	See the standard ratings table (Impress the rated voltage for 2 minutes)
Low Temperature Characteristics Impedance Ratio	Z(-25℃)/Z(+25℃) ≤1.15 at 100KHz Z(-55℃)/Z(+25℃) ≤1.25 at 100KHz
Endurance	The following specifications shall be satisfied when the capacitors are restored to 25℃ after subjected to DC voltage for 2,000 hours at 105℃. Capacitance change: ≦ ±20% of the initial value ESR: ≦ 150% of the specified value Dissipation factor(tanδ): ≦ 150% of the specified value Leakage current: ≦ specified value
Damp Heat (Steady State)	The following requirements shall be satisfied when the capacitor are restored to 25℃ after exposing them for 1,000 hours at 60℃ 90 to 95% RH. Capacitance change: ≦ ±20% of the initial value ESR: ≦ 150% of the specified value Dissipation factor(tanδ): ≦ 150% of the specified value Leakage current: ≦ specified value
Others	Conforms to JIS-C-5101-25 (2009)

※1 In case of some problems for measured values, measure after applying rated voltage for 120 minutes at105°C.
※2 ESR should be measured at both of the terminal ends closest to the capacitor body.

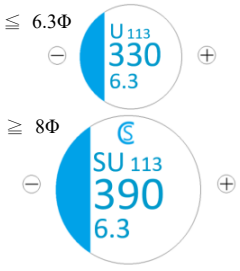
◆ DIMENSIONS (mm)



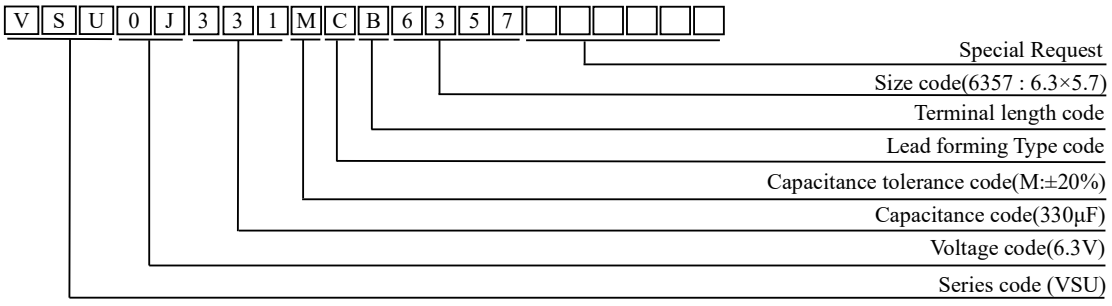
◆ LEAD

Code	Case size	ΦD	L	α	A	B	C	W	P
0557	5×5.7	5	5.7	0.3	5.3	5.3	5.9	0.5~0.8	1.4
6357	6.3×5.7	6.3	5.7	0.3	6.6	6.6	7.3	0.5~0.8	2.1
0867	8×6.7	8	6.7	0.3	8.3	8.3	9	0.7~1.1	3.2

◆ MARKING



◆ PART NUMBER SYSTEM (Example : 6.3V 560µF)



VSU Series

◆ **STANDARD RATINGS**

WV (Vdc)	Cap (μF)	Case Size (mm) ΦD×L	ESR 100~300KHz (mΩmax)	Rated Ripple current (mArms/ 105℃, 100KHz)	Tanδ max	Leakage Current (μA max)	Part Number
2.5 (0E)	330	5×5.7	12	3860	0.12	300	VSU0E331MCB0557
	390	5×5.7	10	3650	0.12	300	VSU0E391MCB0557
	390	6.3×5.7	10	3650	0.12	300	VSU0E391MCB6357
6.3 (0J)	330	6.3×5.7	10	3900	0.12	623	VSU0J331MCB6357
	390	8×6.7	9	4500	0.12	737	VSU0J391MCB0867