

Chip Type

GREEN CAP









- Super low ESR and high ripple current are realized.
- Guaranteed 105°C, 2000 hours.





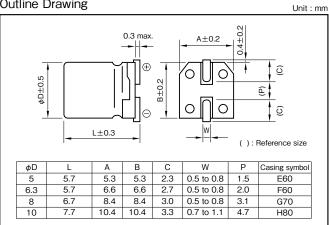
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Specifications

Item		Performance								
Category temperature range (°C)		-55 to +105								
Tolerance at rated capacitance (%)	±20									
Leakage current (µA)	Less than 0.2CV (after 2 minutes)									
*Note	C : Rated capacitance (μF) ; V : Rated voltage (V)									
			5- (-)	(20°C)						
Tangent of the loss angle (tanδ)		Less than 0.12		(20°C,120Hz)						
Characteristics at high		Z-25°C/Z+20°C	1.15							
	Impedance ratio (max.)	Z-25°C/Z+20°C	1.25							
and low temperature		Z=55 C/Z+20 C	1.25	(100kHz)						
	Test time	2000 hour	"S							
Endurance (105°C) (Applied ripple current)	Leakage current	The initial								
	Percentage of capacitance change	Within ±2								
	Tangent of the loss angle	150% or le								
	ESR change	ess of the initial specified value								
	Test time	500 hours								
Dia - Homelelia	Leakage current	specified value or less								
	Percentage of capacitance change									
60 C, 90 to 95%RH	Tangent of the loss angle	Tangent of the loss angle 150% or less of the initial specified value								
Impedance ratio (max.) Test time Leakage current Percentage of capacitance ch Tangent of the loss angle ESR change Test time Leakage current Percentage of capacitance ch Tangent of the loss angle ESR change Test time Leakage current Percentage of capacitance Tangent of the loss angle ESR change Test time Leakage current Percentage of capacitance Tangent of the loss angle ESR change The capacitors shall be subject to 100 through a protective resister (Rc=1kΩ) Leakage current Leakage current	ESR change	150% or le								
	The capacitors shall be subject to 1000 cycles each through a protective resister (Rc=1k Ω) in 6 minutes p			conds						
	Leakage current	The initial	specified value or less							
	Percentage of capacitance change	Within ±2	0% of initial value							
	Tangent of the loss angle	Tangent of the loss angle 150% or less of the initial specified value								
	ESR change	150% or le	ess of the initial specified value							
Failure tare	0.5% per 1000 hours maximum (Confidence level 60% at 105°C)									

^{*}Note: If any doubt arises, measure the leakage current after following voltage application treatment.

Outline Drawing



- Soldering conditions are described on page 15.
- Land pattern size are described on page 13.
- The taping specifications are described on page 16.

Part numbering system (example : 4V150μF)									
PVX —	4	٧	151	М	E60	E —			
Series code	Rated voltage symbol		Rated capacitance symbol	Capacitance tolerance symbol	Casing symbol	-	Taping symbol		

Voltage application treatment : DC rated voltage are applied to the capacitors for 120 minutes at 105°C.



Standard Ratings

Rated voltage (V)	2.5			4			6.3			10		
Item	Case	ESR	Rated ripple current									
Rated capacitance (µF)	φD×L (mm)	(mΩ max.)	(mArms)									
100	-	_	_	_	_	_	5×5.7	15	3100	5×5.7	15	3100
120	_	_	_	_	_	_	-	_	_	6.3×5.7	13	3300
150	5×5.7	10	3800	5×5.7	10	3800	5×5.7	15	3100	-	_	_
220	5×5.7	10	3800	5×5.7	10	3800	6.3×5.7	9	4000	8×6.7	10	3800
270	5×5.7	10	3800		_	_	I	1	_	ı	1	_
330	6.3×5.7	9	4000	6.3×5.7	9	4000	8×6.7	8	4300	8×6.7	10	3800
390	6.3×5.7	9	4000		-	_	8×6.7	8	4300	-	-	_
470	8×6.7	8	4300	8×6.7	8	4300	8×6.7	8	4300	10×7.7	10	4000
560	8×6.7	8	4300	8×6.7	8	4300	1	1	_	ı	1	_
680	8×6.7	8	4300	10×7.7	8	4600	1	l	_	ı	-	_
820		I	_	ı	1	_	10×7.7	8	4600	ı	ı	_
1000	10×7.7	8	4600	10×7.7	8	4600			_		_	_
1200	10×7.7	8	4600	_	_	_		_	_	_	_	_

(Note) Rated ripple current : 105°C, 100kHz ; ESR : 20°C, 100kHz