

To: _____



Tentative

OS-CON™ SXV series

Conductive Polymer Aluminum Solid Capacitors



Specifications

Item	Specifications	
Category temperature range	-55deg.C to 125 deg.C	
Rated voltage	63 V.dc	
Rated capacitance	47uF	
Capacitance tolerance	+/-20% (120Hz/+20deg.C)	
Leakage current	Please see the attached characteristics list	
Dissipation factor	Please see the attached characteristics list	
Endurance	+125deg.C, 1,000hrs, rated voltage applied	
	Capacitance change	within +/-20% of initial value
	D.F.	≤200% of the initial limit
	Leakage current	Within the initial limit
Damp heat (Steady state)	+60deg.C, 90% to95%, 1,000hrs, No-applied voltage	
	Capacitance change	within +/-20% of initial value
	D.F.	≤150% of the initial limit
	Leakage current	Within the initial limit(after voltage processing)

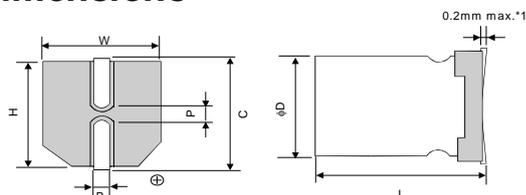
Characteristics list

Part Number (Tentative)	Rated Voltage [V]	Rated Capacitance [uF] ^{*1} (120Hz)	ESR [mohm] (100kHz)	Rated Ripple Current [mArms] (100kHz) (+105C<Tx≤+125C)	Allowable Ripple Current (100kHz) (Tx≤+105C)	D.F. [%] (120Hz)	Leakage Current [uA] ^{*2}
63SXV47M	63	47	28	980	3,100	12	148

*1 Tolerance on rated capacitance : +/-20%

*2 After 2 minutes (Rated voltage applied)

Dimensions

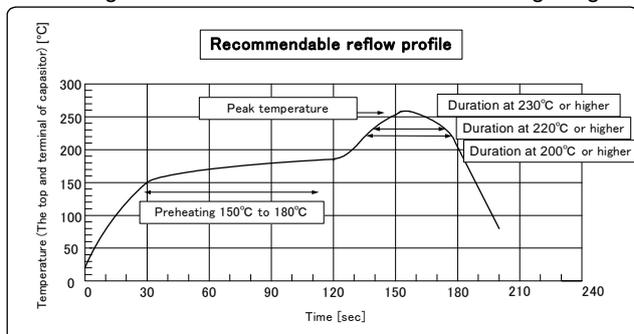


Size code	D ±0.5	L +0.1/-0.4	W ±0.2	H ±0.2	C ±0.2	R	P ±0.2
F12	10.0	12.6	10.3	10.3	11.0	0.8~1.1	4.6

Note: *1 The terminal thickness over plastic spacer is 0.2mm max.

Reflow Soldering condition

Soldering condition should be under the following ranges.



Item	Recommended Condition	
Peak temperature (max.)※	250deg.C	260deg.C
Preheat	150 to 180deg.C 90±30sec.	
200deg.C over time(max.)	60sec.	60sec.
220deg.C over time(max.)	50sec.	50sec.
230deg.C over time(max.)	40sec.	40sec.
Reflow number	Twice or less	Only 1 time

※ All temperatures are measured on the topside of the Al-can and terminal surface.

Schedule

Sample: Available
 Mass Production: June, 2017

Note; This tentative specification is subject to change because it is under development. Please inquire us details of this product.

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 Automotive & Industrial Systems Company
 Panasonic Corporation