

Chipsmall Limited consists of a professional team with an average of over 10 year of expertise in the distribution of electronic components. Based in Hongkong, we have already established firm and mutual-benefit business relationships with customers from, Europe, America and south Asia, supplying obsolete and hard-to-find components to meet their specific needs.

With the principle of "Quality Parts, Customers Priority, Honest Operation, and Considerate Service", our business mainly focus on the distribution of electronic components. Line cards we deal with include Microchip, ALPS, ROHM, Xilinx, Pulse, ON, Everlight and Freescale. Main products comprise IC, Modules, Potentiometer, IC Socket, Relay, Connector. Our parts cover such applications as commercial, industrial, and automotives areas.

We are looking forward to setting up business relationship with you and hope to provide you with the best service and solution. Let us make a better world for our industry!



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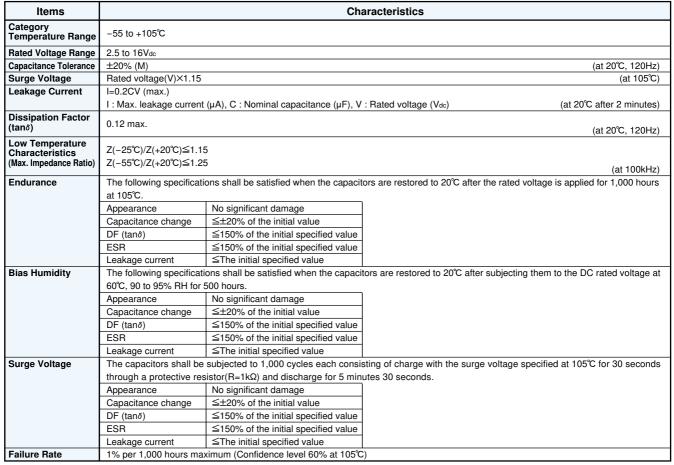




# NPCAP™-PXC Series

- Super low ESR, impedance and high heat resistance have been obtained by using conductive polymer as electrolyte.
- (ESR and rated ripple current values are improved from PXA series.)
- ■Rated voltage range : 2.5 to 16Vdc, Capacitance range : 27 to 470µF
- Case size range : \$\phi 5\times 5.7L\$ to \$\phi 8\times 6.7L\$
- Suitable for DC-DC converters, voltage regulators and decoupling applications used to computer motherboards etc.
- ●RoHS Compliant

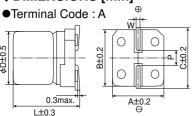
#### **SPECIFICATIONS**



<sup>\*</sup>Note: If any doubt arises, measure the leakage current after following voltage treatment.

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

### **♦DIMENSIONS** [mm]

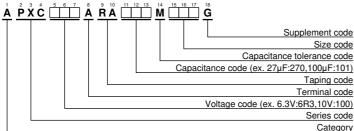


Size code	φD	L	Α	В	С	W	Р
E60	5	5.7	5.3	5.3	5.9	0.5 to 0.8	1.4
F60	6.3	5.7	6.6	6.6	7.2	0.5 to 0.8	1.9
H70	8	6.7	8.3	8.3	9.0	0.7 to 1.1	3.1

#### **◆**MARKING



#### **◆PART NUMBERING SYSTEM**



Category Please refer to "A guide to global code (conductive polymer type)"





## **♦STANDARD RATINGS**

WV(Vdc) C	Com(v.F)	Size code	ESR(mΩ	max/20℃)	Rated ripple current	Part No.	
	Cap(μF)		100kHz	300kHz(Ref. value)	(mArms/100k to 300kHz) -55 to +105℃		
2.5	180	E60	30	22	2,000	APXC2R5ARA181ME60G	
	270	F60	20	18	2,700	APXC2R5ARA271MF60G	
	470	H70	17	16	3,420	APXC2R5ARA471MH70G	
	150	E60	30	22	2,000	APXC4R0ARA151ME60G	
4	220	F60	21	19	2,640	APXC4R0ARA221MF60G	
	330	H70	18	17	3,300	APXC4R0ARA331MH70G	
6.3	100	E60	35	26	1,780	APXC6R3ARA101ME60G	
	180	F60	22	19	2,580	APXC6R3ARA181MF60G	
	220	H70	18	17	3,300	APXC6R3ARA221MH70G	
10	56	E60	40	31	1,660	APXC100ARA560ME60G	
	82	F60	23	21	2,400	APXC100ARA820MF60G	
	150	H70	20	19	3,160	APXC100ARA151MH70G	
16	27	E60	45	35	1,570	APXC160ARA270ME60G	
	39	F60	25	23	2,300	APXC160ARA390MF60G	
	82	H70	25	23	2,830	APXC160ARA820MH70G	