

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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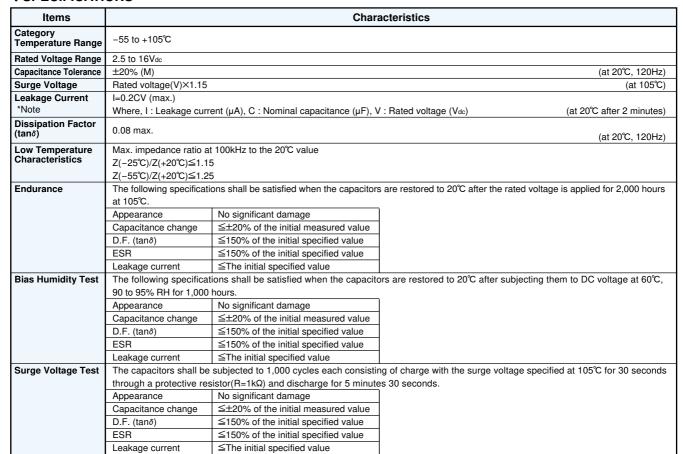






- •Super low ESR, high temperature resistance and high ripple current capability
- ●Rated voltage range: 2.5 to 16Vdc
- ●2,000 hours at 105°C
- •Suitable for DC-DC converters, voltage regulators and decoupling applications for computer motherboards
- ●RoHS Compliant

#### **◆SPECIFICATIONS**

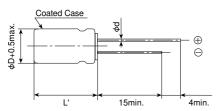


<sup>1%</sup> per 1,000 hours maximum (Confidence level 60% at 105°C) \*Note: If any doubt arises, measure the leakage current after the following voltage treatment. Voltage treatment: DC rated voltage is applied to the capacitors for 120 minutes at 105°C.

### **◆DIMENSIONS** [mm]

●Terminal Code: E

Failure Rate





φD	6.3	8	10
φ <b>d</b>	0.5	0.8	
L'	L+0.3max	L+1.5max	
F	2.5	3.5	5



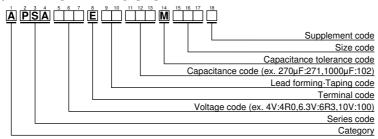








# **◆PART NUMBERING SYSTEM**



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

# **STANDARD RATINGS**

WV(Vdc)	Cap(μF)	Case size φD×L(mm)	ESR (mΩmax/20°C, 100k to 300kHz)	Rated ripple current (mArms/105℃, 100kHz)	Part No.
2.5	390	6.3×10.5	20	3,160	APSA2R5E□□391MFA5G
	680	8×11.5	7	5,580	APSA2R5E□□681MHB5S
	820	8×11.5	7	5,580	APSA2R5E□□821MHB5S
	1,000	10×11.5	6	5,860	APSA2R5E□□102MJB5S
4	270	6.3×10.5	20	3,160	APSA4R0E□□271MFA5G
	390	6.3×10.5	24	3,300	APSA4R0E□□391MFA5G
	560	8×11.5	7	5,580	APSA4R0E□□561MHB5S
	820	10×11.5	6	5,860	APSA4R0E□□821MJB5S
6.3	220	6.3×10.5	20	3,160	APSA6R3E□□221MFA5G
	330	6.3×10.5	28	3,190	APSA6R3E□□331MFA5G
	390	8×11.5	8	5,080	APSA6R3E□□391MHB5S
	680	10×11.5	7	5,860	APSA6R3E□□681MJB5S
10	47	6.3×10.5	25	2,820	APSA100E□□470MFA5G
	68	6.3×10.5	25	2,820	APSA100E□□680MFA5G
	100	6.3×10.5	25	2,820	APSA100E□□101MFA5G
	150	6.3×10.5	25	2,820	APSA100E□□151MFA5G
	270	8×11.5	9	4,710	APSA100E□□271MHB5S
	470	10×11.5	8	5,650	APSA100E□□471MJB5S
16	100	6.3×10.5	25	2,820	APSA160E□□101MFA5G

 $\square\square$ : Lead forming code and taping code