

*Using breakthrough technology,  
we aim for products that will create new markets.*

## *New Product News*

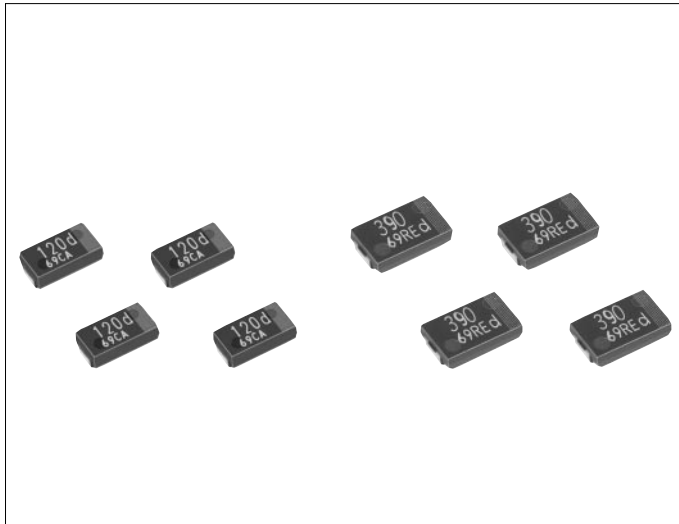
Development of the world first miniaturized (6.0×3.2×1.9 mm)<sup>\*Note 1</sup>  
and expansion of the current product range

### Specialty Polymer Aluminum Electrolytic Capacitors

**SP-Cap : M series (Miniaturized),  
S series (Super-Low ESR), CX series**

Industry/Field: Information, Communication, Car-AV, Digital AV, Amusement

## Contribution for smoothing power supply by Super Low ESR & Large Capacitance



#### • Development Target:

Best partner for power supply design requiring low voltage application and high load current in the market of PC and Digital AV industry.

#### • Features:

- 1** Realizing smaller mounting space due to the smallest size in the industry.<sup>\*Note 1</sup>
- 2** Reducing number of capacitors by wide product range due to capacitance expansion.
- 3** Contributing noise reduction of power line due to low ESL.

\* Note 1 : As of May 1, 2007

• Number of industrial property rights : 88 properties

#### • Characteristics/specifications:

Item	Miniaturized		Large capacitance	
	M series C size (Miniaturized)	S series X size (Super-Low ESR)	CX series (Standard)	
Dimensions (L × W × H)	6.0 × 3.2 × 1.9 (mm)		7.3 × 4.3 × 1.9 (mm)	
Endurance	105°C 1000 h		105°C 1000 h	
Rated W.V. Range	2 V to 6.3 V		2 V to 6.3 V	
Nominal Cap. Range	47 μF to 120 μF	68 μF to 390 μF	100 μF to 390 μF	
ESR (100 kHz)	12 mΩ, 18 mΩ	6 mΩ, 9 mΩ	15 mΩ	

#### • Applications/usage examples:

- Power line for digital signal processing. Smoothing and decoupling application in switching power supply. Laptop PC, Digital AV (Digital TV, DVD recorder & DSC, etc.)
- Capacitors for smoothing power line circuit in the DC-DC converter

#### • Explanation of part numbers:

