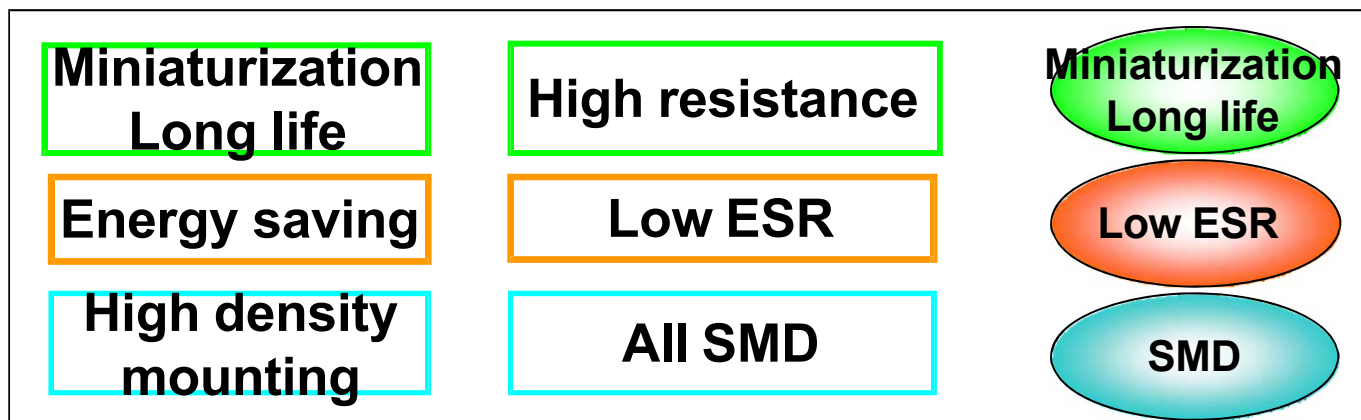


Case Study : 2-1

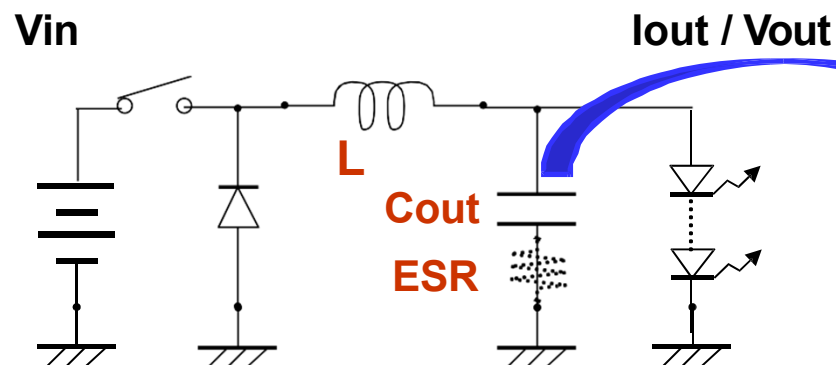
Contribution to miniaturization/low ESR / all SMD

◆Panasonic proposal to LED-BL driver circuit



**Conductive polymer
hybrid
aluminum capacitor**

◆Proposed case : LED-BL driver



Long life/Miniaturization

	50V Line
Capacitors	Hybrid capacitor ZA series
Item	$\Phi 8 \times 10.2$ mm, 80 V, 22 μ F x1 pc.  EEHZA1K220P
Mounting area	69 mm ²
Height	10.2 mm
ESR	45 m Ω (100 kHz)
Endurance	105 °C, 10000 h

Case Study : 2-2

Contribution to high performance for liquid crystal-BL

◆ Panasonic proposal to liquid crystal-BL power supply



**Conductive polymer
hybrid
aluminum capacitor**

Energy saving

Low ESR

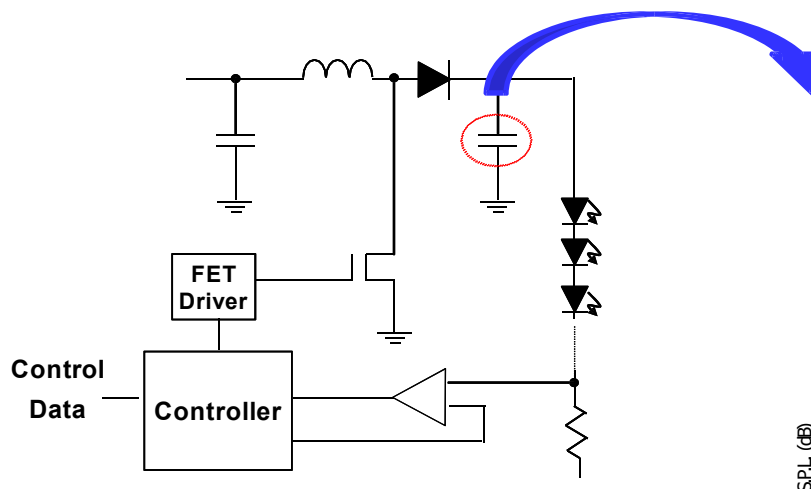
Low ESR

High reliability

No sound-noise

Hybrid

◆ Proposed case : liquid crystal-BL



Improvement sound-noise
and stability of operation

12V Line		
Capacitors	MLCC	Hybrid capacitor ZA series
Item	3216, 25V, 10 μ F x1 pc. 	Φ 6.3 x 5.8 mm, 25V, 56 μ F x1 pc.  EEHZA1E560P

