



## New SK8/SC8 Series Single & Dual Type N Power MOSFET

### Low On-Resistance and High Speed Power Switching for DC-DC Converters

Panasonic, a worldwide leader in Semiconductor Products, is pleased to announce the **NEW SK8/SC8 Series Power MOSFET**. The **SK8/SC8 Series** features on-resistance values that are among the lowest in the industry by utilizing Panasonic's ultra-fine processing technology. Integrated with a built-in heat sink and power package, the **SK8/SC8 Series** contributes to both higher efficiency and PCB downsizing. For higher power requirements, Panasonic power packages provide the best solution.

#### Features

- Low On-Resistance: SK8603140L  
( $R_{DS(on)} = \text{max. } 2.2\text{m}\Omega @ V_{DS}=10\text{V}$ )
- High speed switching: SK830321KL  
( $Q_g = 3.3\text{nC}$ )
- High Heat Dissipation
- Small Size Package Design

#### Benefits

- Higher Efficiency
- Suitable for DC-DC Conversion Circuits
- Save PCB Space

#### Industries

- Industrial Machinery
- Home Appliances
- Alternative Energy
- Medical Electronics
- Consumer Electronics

#### Applications

- DC/DC Converters / Power Supplies
- Smart Meters / Data Management Equip.
- Laptop PC / Tablet PC
- Audio / Telephones / Toys / Gaming Devices
- Printers

#### Part Number Information

SK	8	4	X	X	X	X	X	L
MOSFET Type	Terminal Count	Package Type	Circuit Type	Breakdown Voltage	Product Number	Spec.	Packaging Style	
SK	1x Nch		3		HSSO			
SC	2x (Nch + Nch)		4		HSSO (C)			
			6		HSO (C)			

#### Additional Information

For detailed specification information on the **SK8/SC8 Series** Power MOSFET, visit our website at:

<http://www.panasonic.com/industrial/electronic-components/semiconductors/>