



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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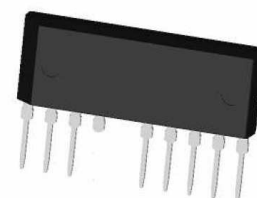


STR-L400 Series

Power IC for Quasi-Resonant Type Switching Power Supply with High Efficiency, Low Noise Low-Height, and Enough Creepage Isolation (>6mm) between High and Low Voltage Terminals

■ General Descriptions

The STR-L400 series products are power ICs for quasi-resonant switching type power supplies, incorporating a power MOSFET and a controller IC in the SIP-10 package. The product achieves high efficiency and low noise power supply systems by the quasi-resonant operation. The product is recommended for the systems requiring low-height and enough clearance and creepage isolation between high and low voltage terminals.



SIP-10

■ Features

- Quasi-Resonant Operation
- Current-Mode Control
- Built-in Oscillator for Low Frequency Operation
The operation with low frequency of 50 μ s OFF time (around 22 kHz), until the quasi-resonant signal becomes valid, reduces the stress on components at startup and load-shorted.
- SIP-10 Package (Sanken designation: STA-10L), recommended for auxiliary power supplies of White Goods. Straight lead pitch: 2.54mm, Height over PCB: < 12mm
Clearance and Creepage Isolation on PCB between high and low voltage terminals: 6.5mm (4 pins removed)
- Input Compensation at Overcurrent
The function reduces the distortion of overcurrent operation point to AC input voltage change by adding three components.
- Built-in Avalanche Energy Guaranteed High-Voltage Power MOSFET
- Various Protections
Overcurrent Protection (OCP)----- Pulse-by-Pulse
Overload Protection (OLP) ----- Latch Shutdown
Thermal Shutdown Protection (TSD) ----- Latch Shutdown

■ Applications

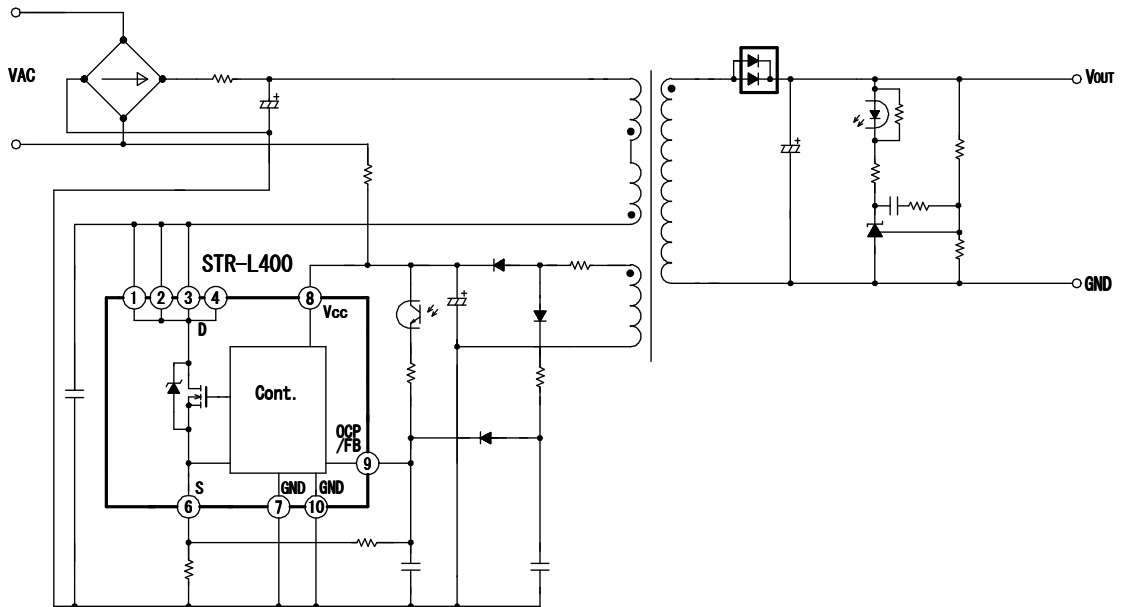
Switching Power Supplies for

Standby Power Supplies, Home Appliances (White Goods), Digital Consumer Equipment, OA Equipment, Industry Machines, Communication Devices, Others

■ Product Lineup

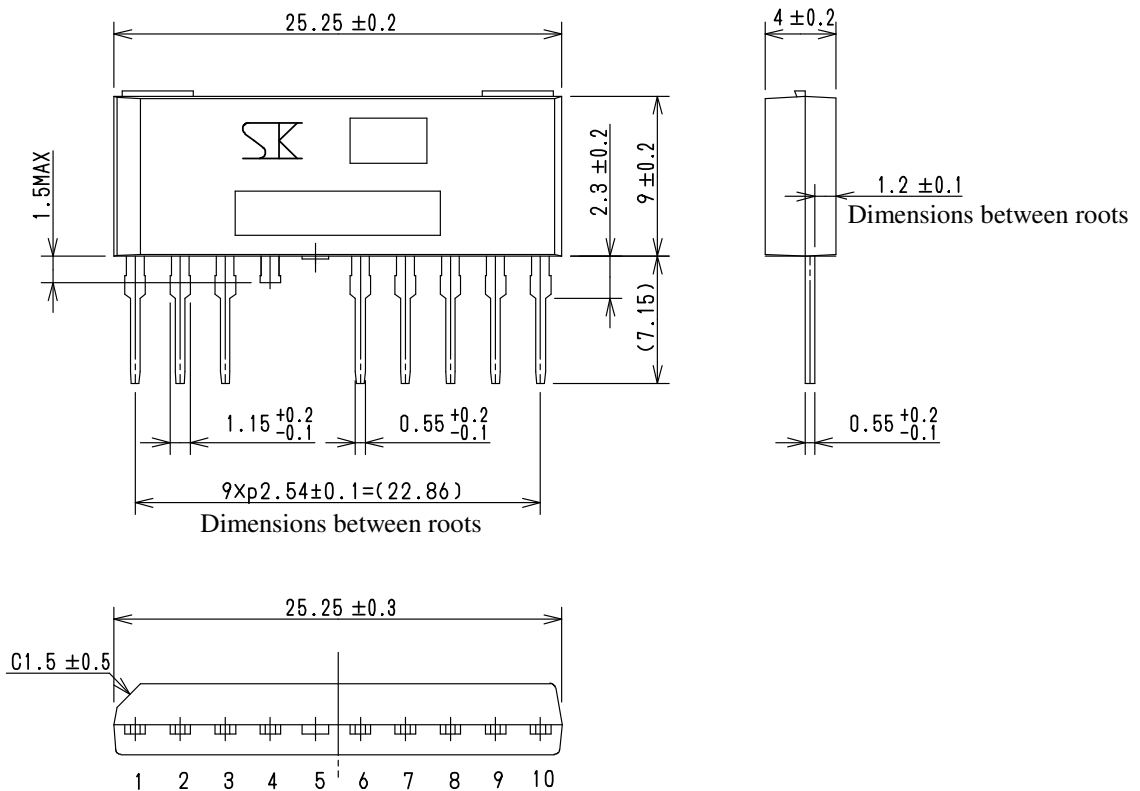
Product No	MOSFET V_{DSS} MIN(V)	$R_{DS(ON)}$ MAX (Ω)
STR-L451	650	3.95
STR-L472	900	7.7

■ Typical Application Circuit



■ Package Information

SIP-10 (Sanken designation : STA-10L)



Warning

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