

KYOTTO KF SERIES

Miniature DC Solid State Relays (SSR)

Datasheet

Brand: KYOTTO
Website: www.cb-electronics.com

Series Overview

The KYOTTO KF Series is a family of miniature DC-to-DC Solid State Relays (SSRs) designed for low-voltage, high-frequency switching in compact electronic systems. These relays are suitable for automotive electronics, industrial controllers, appliances, embedded systems, and other PCB-mounted applications.

Model Selection Guide

Model	Load Voltage	Max Load Current	Peak Surge
KF0602D	3–60 VDC	2 A	3.0 A
KF0604D	3–60 VDC	4 A	8.5 A
KF1002D	3–120 VDC	2 A	Refer to application
KF1004D	3–120 VDC	4 A	8.5 A

Electrical Specifications

Control Voltage	3.0–32.0 VDC
Must Turn-Off Voltage	Max. 1.0 VDC
Input Impedance	1.5 kΩ
Typical Input Current	15 mA
Load Voltage	3.0–60.0 VDC (KF06 models) / 3.0–120.0 VDC (KF10 models)
Minimum Blocking Voltage	80 VDC
Off-State Leakage Current	< 1.0 mA
Turn-On Time	< 2.0 ms
Input-Output Isolation	2500 VAC

Mechanical & Package Information

Package	SIP-4 (Single In-line Package)
Terminal Type	Solder PCB leads
Dimensions	38.8 × 8.7 × 25.0 mm
Mounting	PCB mounting
Optional Accessory	Compatible with DIN-rail socket modules for quick installation and replacement.

Typical Applications

Automotive electronics Industrial control systems Home appliances Embedded electronic equipment Low-voltage DC load switching

Installation Notes

Observe correct input and output polarity during installation. Use PCB traces sized appropriately for the expected load current. Ensure adequate airflow when operating near the maximum current rating. Avoid exceeding the specified blocking voltage or continuous load current.