


SOT-23 PACKAGE
OBJECTIVE

FlexRay supports high data rates - up to 10 Mbits/s - explicitly supports both start and "party line" bus topologies and can have two independent data channels for fault tolerance. The bus operates on a time cycle, divided into two parts: the static segment and the dynamic segment. FlexRay typically requires protection against ESD and short circuits.

BENEFIT

The integrated TVS Diode solution is designed to protect the interface against surge events by using one device (PAM1FLEX) to protect the Bus.

COMPLIANCE

- IEC 61000-4-2 ±8kV Contact, ±15kV Air Discharge
- IEC 61000-4-4 EFT 40A, 5/50ns
- IEC 61000-4-5 Surge Secondary Lightning, 3A @ 8/20µs
- AEC-Q101 Compliant

SOLUTION

- 1 x PAM1FLEX in SOT-23 Package
- Stand-Off Voltage V_{WM} : 24 Volts
- Breakdown Voltage $B_{V_{MIN}}$: 25.4 Volts
- $V_C @ I_P$: 70V @ 3A
- Leakage Current I_R : 0.05µA
- Typ. Capacitance: 11pF

ALTERNATE RECOMMENDATIONS

- 2 x PAM02SD2324C
- 1 x PESD1FLEX

