

MC2840

FOR GENERAL SWITCHING APPLICATION
SILICON EPITAXIAL TYPE(SERIES TYPE)

DESCRIPTION

MC2840 is a super mini package plastic seal type silicon epitaxial type double diode, especially designed for general switching application.

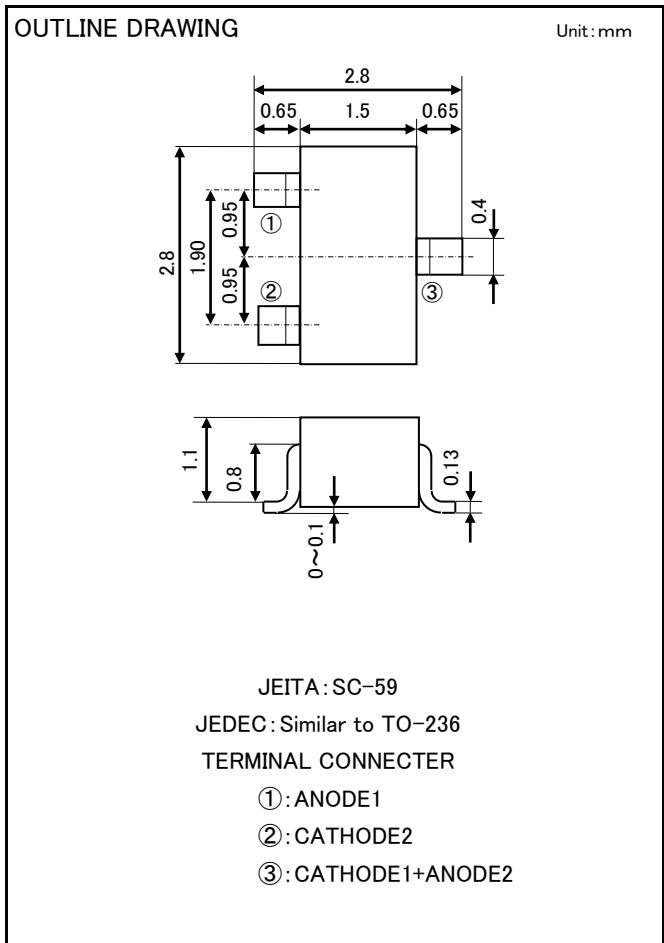
Double and small pin capacitance(2pieces), suitable for protect circuit, bias circuit.

FEATURE

- Small pin capacitance
- Double and super mini package for mounting

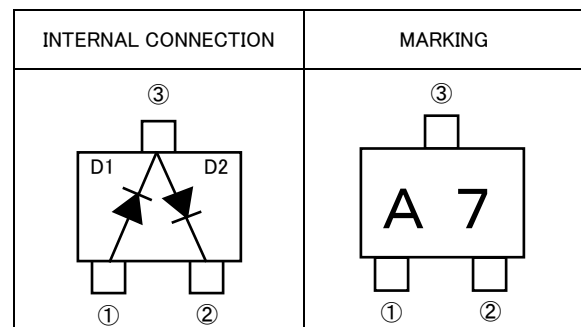
APPLICATION

For general switching of audio machine, VTR



MAXIMUM RATINGS (Ta=25°C)

| Parameter | Symbol | Ratings | Unit |
|-------------------------------|-----------|------------|------|
| Peak reverse voltage | V_{RM} | 35 | V |
| DC reverse voltage | V_R | 30 | V |
| Surge current(1 μ s) | I_{FSM} | 4 | A |
| Peak forward current | I_{FM} | 300 | mA |
| Average rectification current | I_O | 100 | mA |
| Total allowance dissipation | P_T | 200 | mW |
| Junction temperature | T_j | +150 | °C |
| Storage temperature | T_{stg} | -55 ~ +150 | °C |



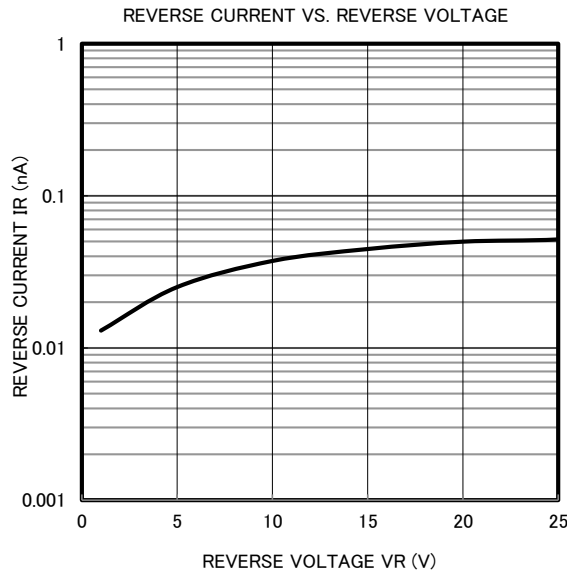
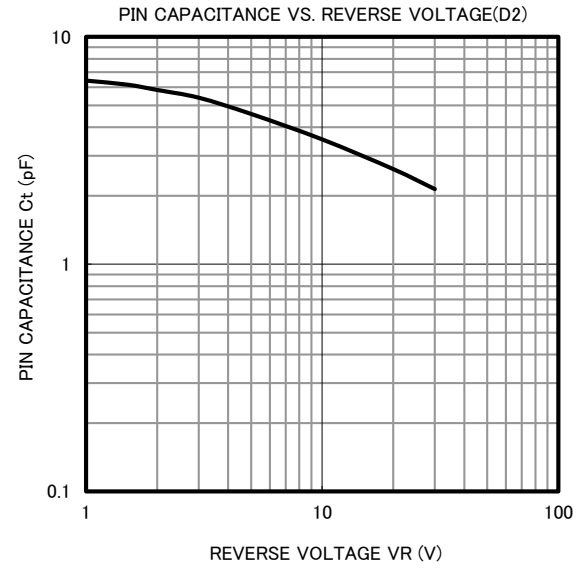
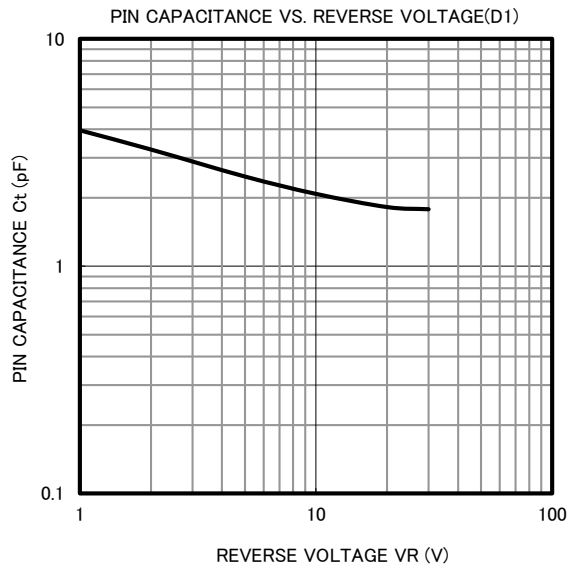
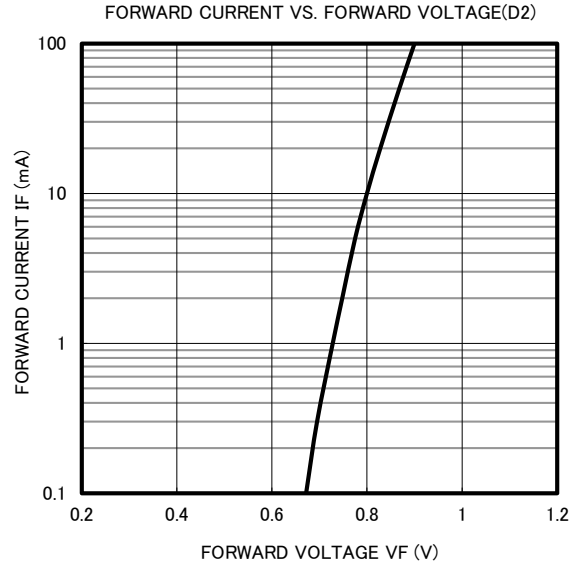
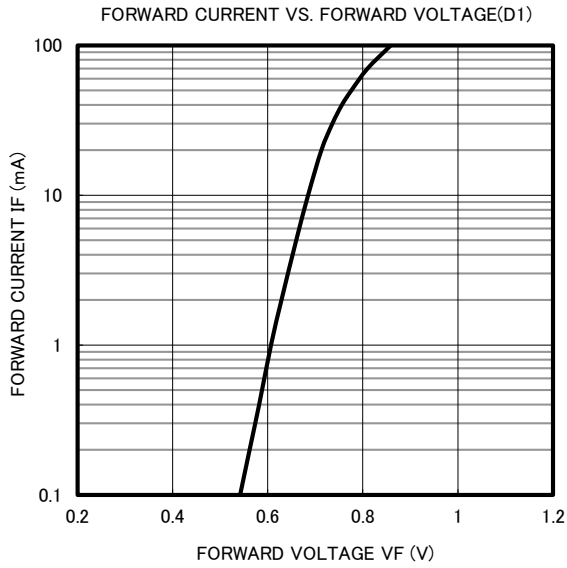
ELECTRICAL CHARACTERISTICS (Ta=25°C)

| Parameter | Symbol | Test conditions | Limits | | | Unit | |
|-----------------|----------|------------------|--------|------|-----|---------|----|
| | | | Min | Typ | Max | | |
| Forward voltage | V_{F1} | $I_F=10mA$ | - | 0.75 | 1.0 | V | |
| | V_{F2} | $I_F=50mA$ | - | 0.85 | 1.2 | | |
| | V_{F3} | $I_F=100mA$ | - | 0.90 | 1.4 | | |
| Reverse current | I_{R1} | $V_R=30V$ | - | - | 0.1 | μA | |
| Pin capacitance | C_t | $V_R=0V, f=1MHz$ | D1 | - | 6 | - | pF |
| | | | D2 | - | 10 | - | |

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FOR GENERAL SWITCHING APPLICATION
SILICON EPITAXIAL TYPE(SERIES TYPE)

TYPICAL CHARACTERISTICS (Ta=25°C)



Keep safety first in your circuit designs!

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