

Diode Switching 1KV 1A 2-Pin SMA T/R



Images are for reference only

[Inquiry](#)

Manufacturer: [Vishay Intertechnology, Inc](#)

Package/Case: SMA

Product Type: Thyristors

Lifecycle: Active

General Description

The US1M-E3/61T is a surface mount rectifier diode manufactured by Vishay Semiconductors. It is part of the USxM-E3/61T series of diodes, specifically the US1M model.

Key Features

Automotive grade AEC-Q101 qualified

Ideal for automated placement

Maximum repetitive reverse voltage
V_{rrm} of 1KV

Non repetitive peak forward surge
current IFSM of 30A

Maximum forward Voltage V_F of
1.7V at I_F 1A

Maximum forward Current I_{F(AV)} of
1A

Operating temperature range -55°C to
150°C

Reverse recovery time t_{rr} of 75ns

Application

For use in high frequency rectification and freewheeling application in switching mode converters and inverters for consumer, computer, automotive, and telecommunication.

Recommended For You

CR180

Vishay Intertechnology, Inc
CAN2

CR390

Vishay Intertechnology, Inc
DIP

CR160

Vishay Intertechnology, Inc
CAN

LL4148-GS08

Vishay Intertechnology, Inc
LL34

MUR1520

Vishay Intertechnology, Inc
TO-220

CR430

Vishay Intertechnology, Inc
CAN2

J508

Vishay Intertechnology, Inc
TO-92

SS10PH10-MB/86A

Vishay Intertechnology, Inc
TO-277A(SMPC)

CR240

Vishay Intertechnology, Inc
CAN

SS5P6-MB/86A

Vishay Intertechnology, Inc
TO-277A

GSIB2580-E3/45

Vishay Intertechnology, Inc
GSIB-5S

DF02S-E3/77

Vishay Intertechnology, Inc
SOP4

CR300

Vishay Intertechnology, Inc
CAN2

CR330

Vishay Intertechnology, Inc
CAN2

DF10SA-E3/77

Vishay Intertechnology, Inc
SOP4