

# **TP858C12R**

**FUJI Diode** 

## **Schottky Barrier Diode**

#### ■ Maximum Rating and Characteristics

● Maximum ratings (at Ta=25°C unless otherwise specified.)

Item	Symbols	Conditions	Ratings	Units
Repetitive peak reverse voltage	VRRM	-	120	V
Average output current	lo	50Hz square wave duty =1/2 Tc =106°C	30*	А
Non-repetitive forward surge current**	IFSM	Sine wave, 10ms 1shot	110	Α
Operating junction temperature	Tj	-	150	°C
Storage temperature	Tstg	-	-40 to +150	°C

Note\* Out put current of center tap full wave connection.

Note\*\* Rating per element

#### ● Electrical characteristics (at Ta=25°C unless otherwise specified.)

Item	Symbols	Conditions	Maximum	Units
Forward voltage***	VF	I <sub>F</sub> = 15 A	1.01	V
Reverse current***	IR	VR=VRRM	200	μA
Thermal resistance	Rth(J-c)	Junction to case	1.25	°C/W

Note\*\*\* Rating per element

Mechanical characteristics

Item

Conditions

Maximum
Units

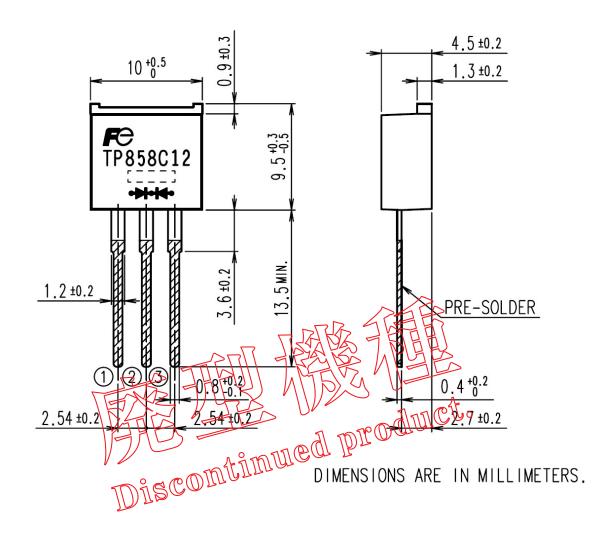
Approximate mass

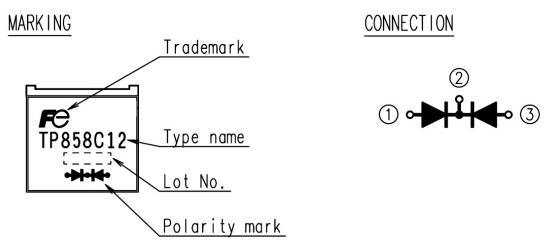
1.6 g

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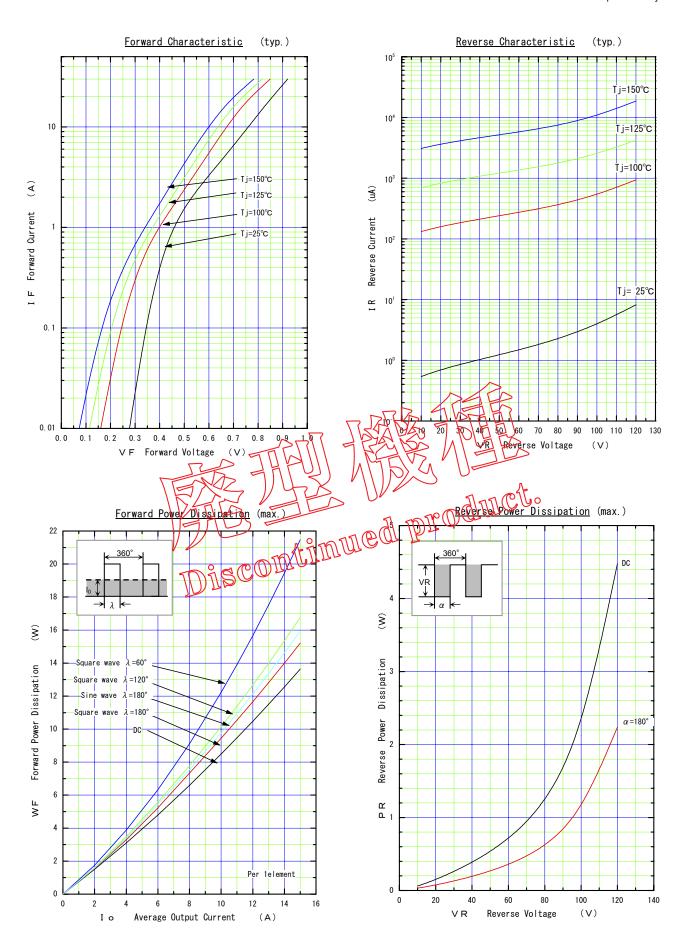
#### ■ Outline Drawings [mm]

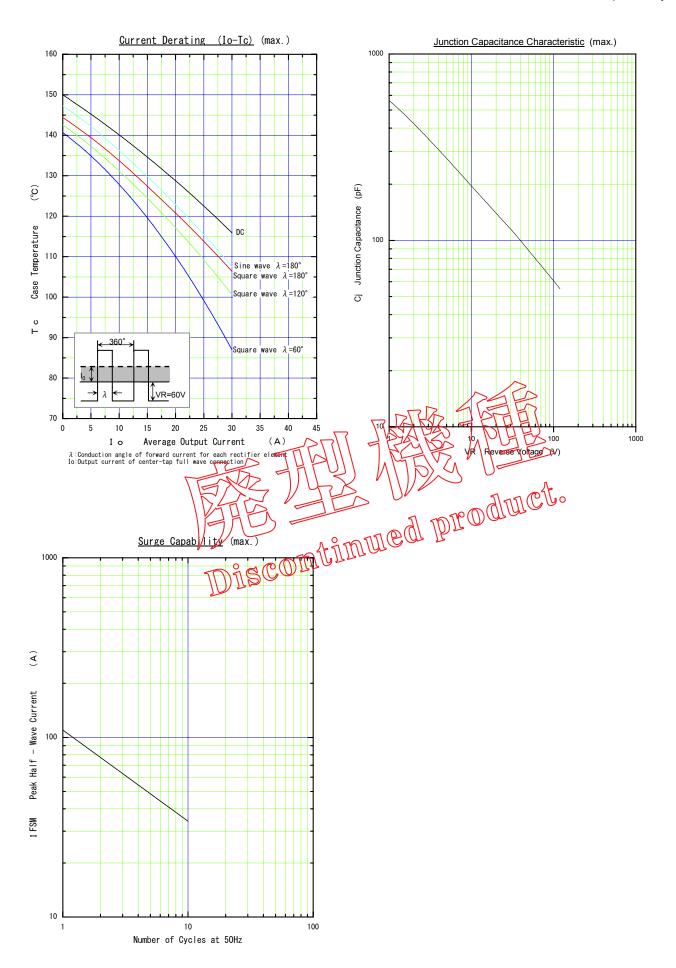
### OUT VIEW



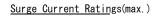


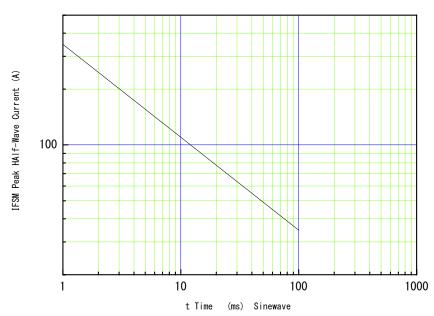
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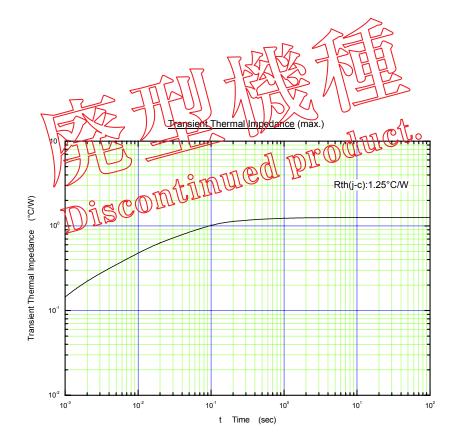




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WARNING

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- OA equipment
- Communications equipment (terminal devices)
- Measurement equipment

- Machine tools
- Audiovisual equipment
- Electrical home appliances
- Personal equipment
- Industrial robots etc.
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• Traffic-signal control equipment

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- Emergency equipment for responding to disasters and anti-burglary devices
- Safety devices

- Medical equipment
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