

TS808C06R-TE24R

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	-	60	V
Average output current	lo	50Hz Square wave duty =1/2 Tc = 115°C	30*	А
Non-repetitive forward surge current**	IFSM	Sine wave, 10ms 1shot	120	A
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⊧ = 12.5 A	0.58	V
Reverse current***	IR	Vr =Vrrm	20	mA
Thermal resistance	Rth(j-c)	Junction to case	1.2	°C/W

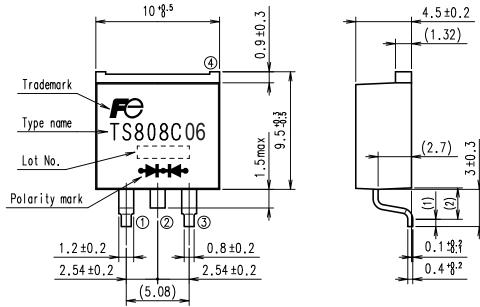
Note*** Rating per element

Mechanical characteristics

Item	Conditions	Maximum	Units
Approximate mass	-	1.6	g

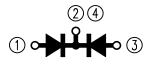
Outline Drawings [mm]

OUT VIEW



 $\underline{UNIT:mm}$

CONNECTION



http://www.fujisemi.com

Tj=150°C

Tj=125°C

Tj=100°C

Tj= 25°C

70

DC

α=180°

40

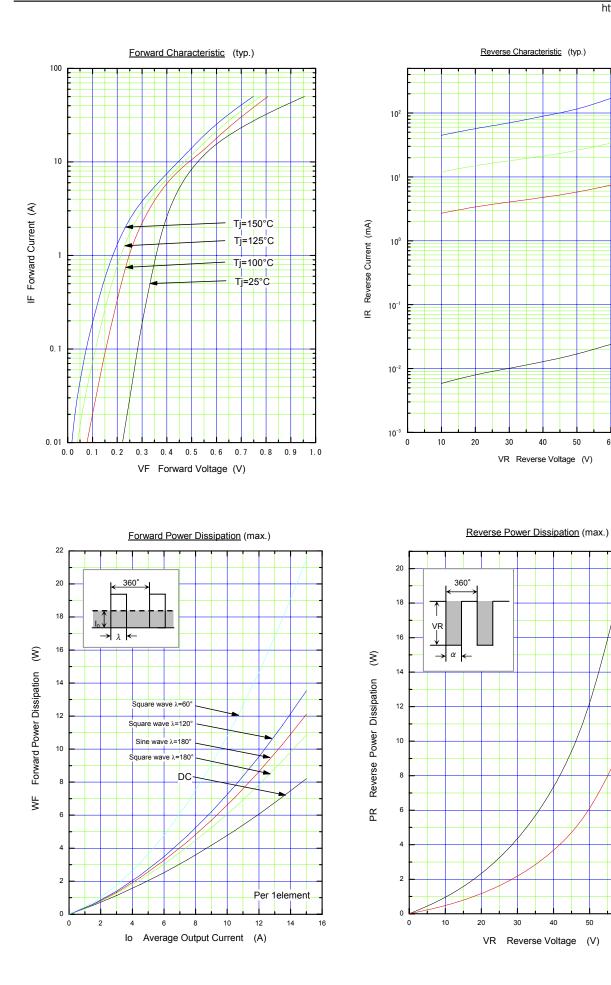
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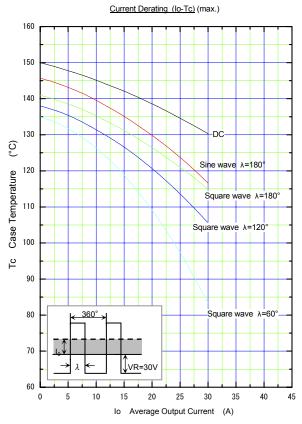
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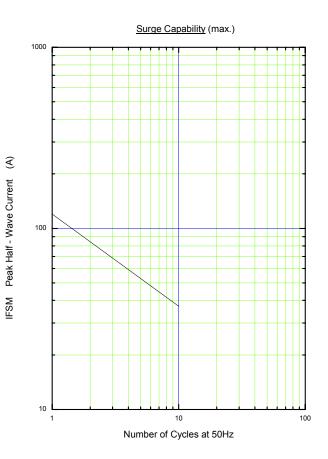
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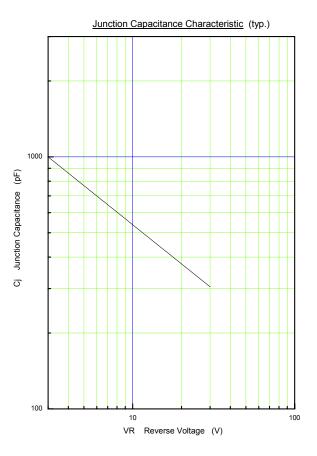


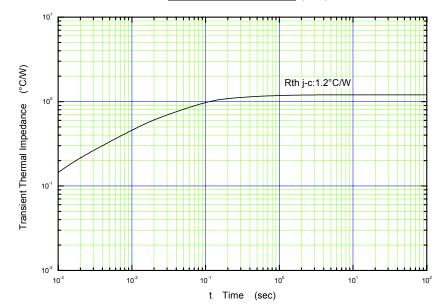




 $\lambda : Conduction angle of forward current for each rectifier element lo:Output current of center-tap full wave connection$







Transient Thermal Impedance (max.)

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