

<u>TS906C3R</u>

FUJI Diode

Low-Loss Fast Recovery Diode

Maximum Rating and Characteristics

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

Item	Symbols	Conditions	Ratings	Units
Repetitive peak reverse voltage	Vrrm	-	300	V
Average output current	lo	50Hz Square wave duty =1/2 Tc = 123°C	20 *	А
Non-repetitive forward surge current**	IFSM	Sine wave, 10ms 1shot	80	A
Operating junction temperature	Tj	-	150	°C
Storage temperature	Tstg	-	-40 to +150	°C

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

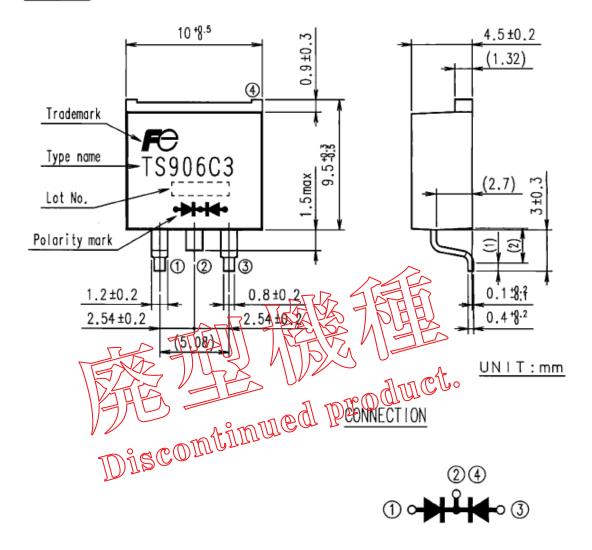
Note** Rating per element

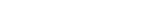
• Electrical characteristics (at Ta=25°C unless otherwise specified.)

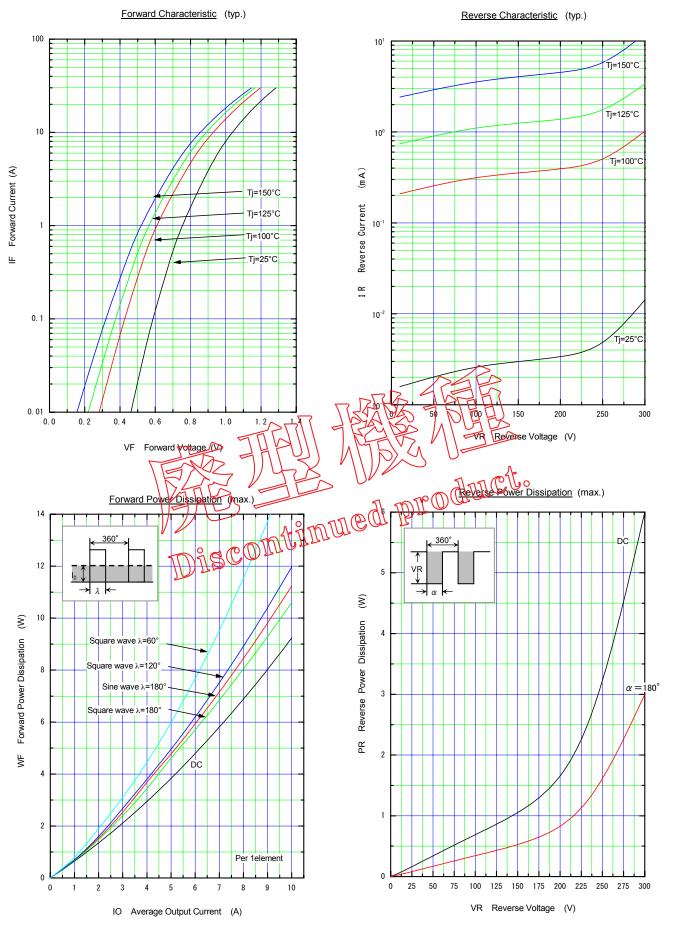
Item	Symbols	Conditions	Maximum	Units		
Forward voltage***	VF	IF = 10 A	1.2	V		
Reverse current***	IR		200	μA		
Reverse recovery time***	L tyrzł	In A, In D.2A, Iner 70.05A	0.035	μS		
Thermal resistance	Rthe of	Junction to case	1.0	°C/W		
Mechanical characteristics						
Item	17 Q(Conditions	Maximum	Units		
Approximate mass	IN ULC	-	1.6	g		
Discolat						

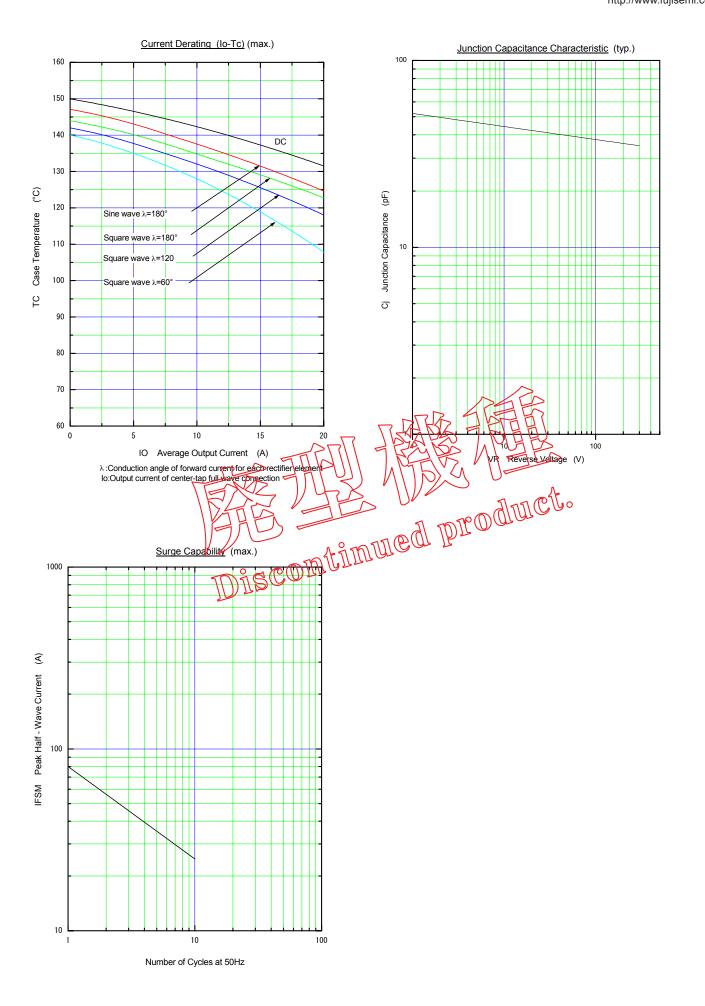
Outline Drawings [mm]

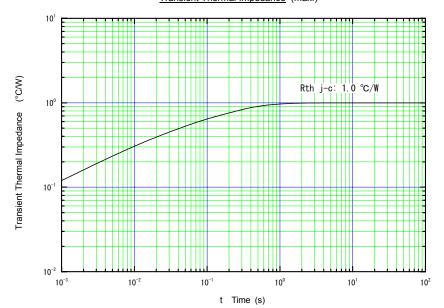
OUT VIEW











Transient Thermal Impedance (max.)



