

PA905C4R

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	V_{RRM}	-	400	V
Average output current	I_o	50Hz Square wave duty =1/2 Tc = 107°C	20*	A
Non-repetitive forward surge current**	I_{FSM}	Sine wave, 10ms 1shot	70	A
Operating junction temperature	T_j	-	150	°C
Storage temperature	T_{stg}	-	-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***	V_F	$I_F = 10\text{ A}$	1.5	V
Reverse current***	I_R	$V_R = V_{RRM}$	500	μA
Reverse recovery time***	t_{rr}	$I_F = 0.1\text{A}, I_R = 0.2\text{A}, I_{rec} = 0.05\text{A}$	0.05	μs
Thermal resistance	$R_{th(j-c)}$	Junction to case	1.5	°C/W

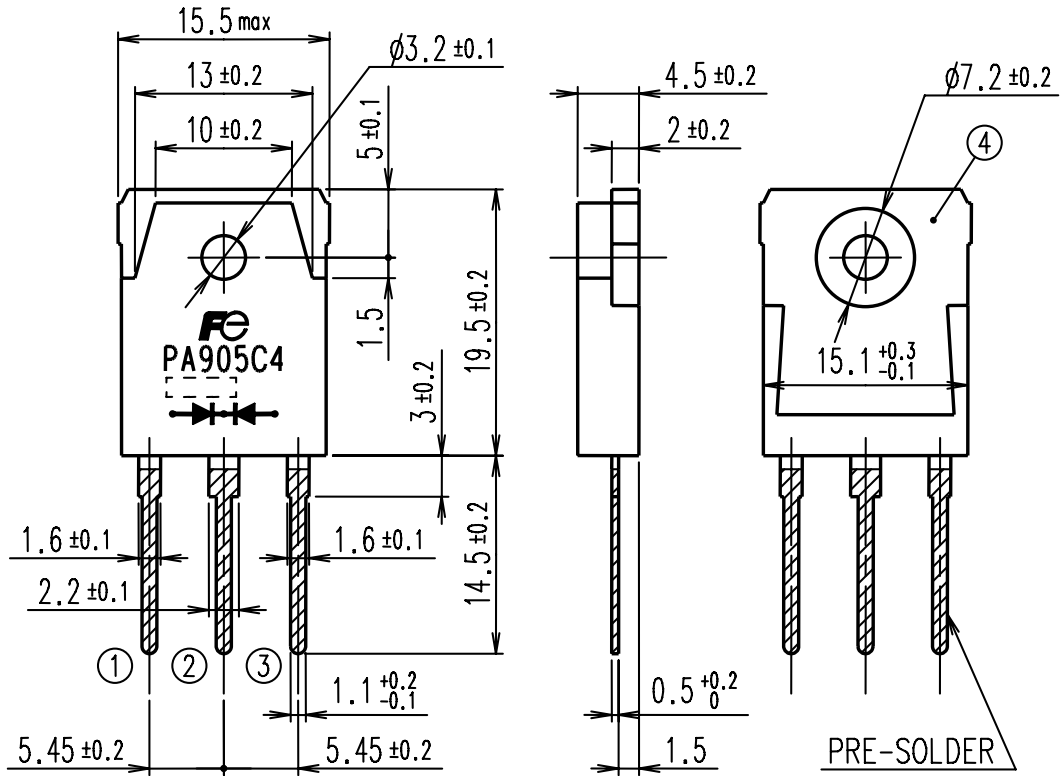
Note*** Rating per element

● Mechanical characteristics

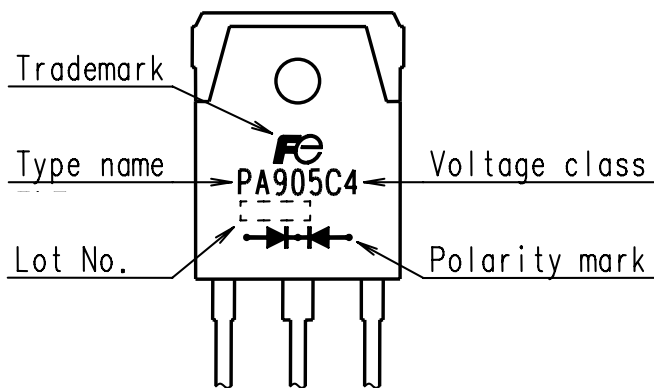
Item	Conditions	Maximum	Units
Mounting torque	Recommended torque	0.4 to 0.6	N•m
Approximate mass	-	5.5	g

■ Outline Drawings [mm]

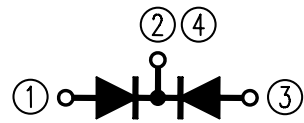
OUT VIEW



MARKING

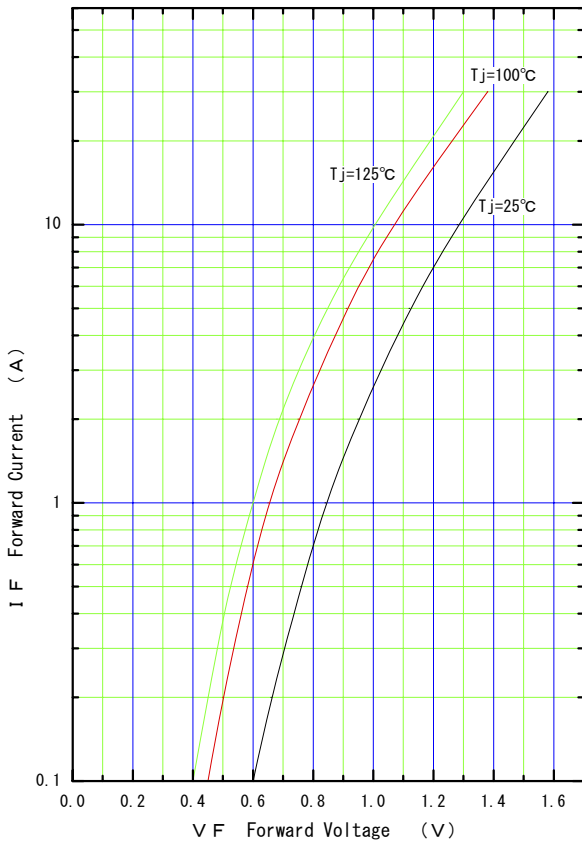


CONNECTION

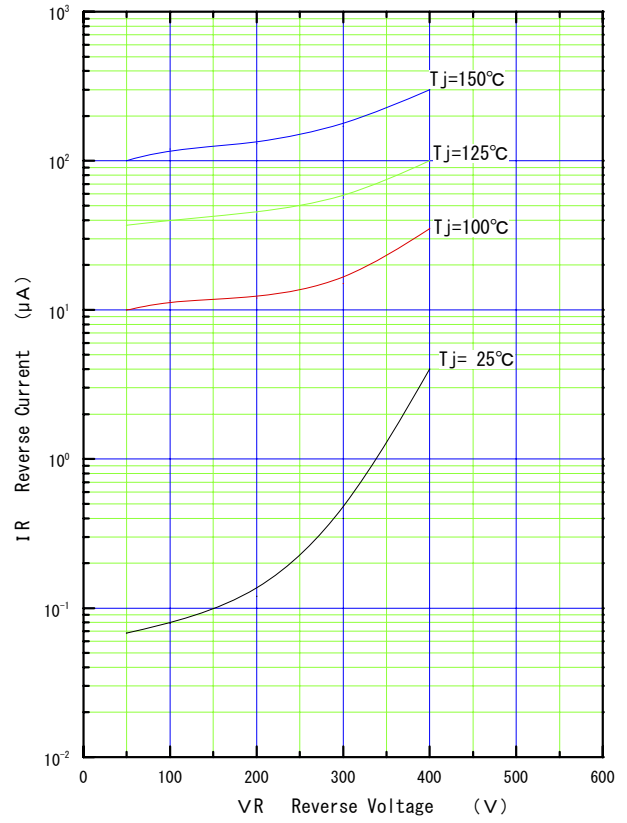


UNIT : mm

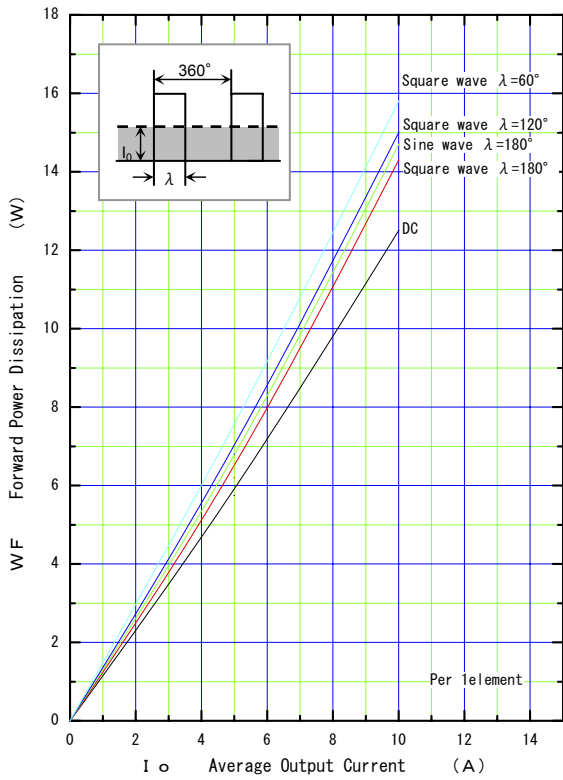
Forward Characteristic (typ.)



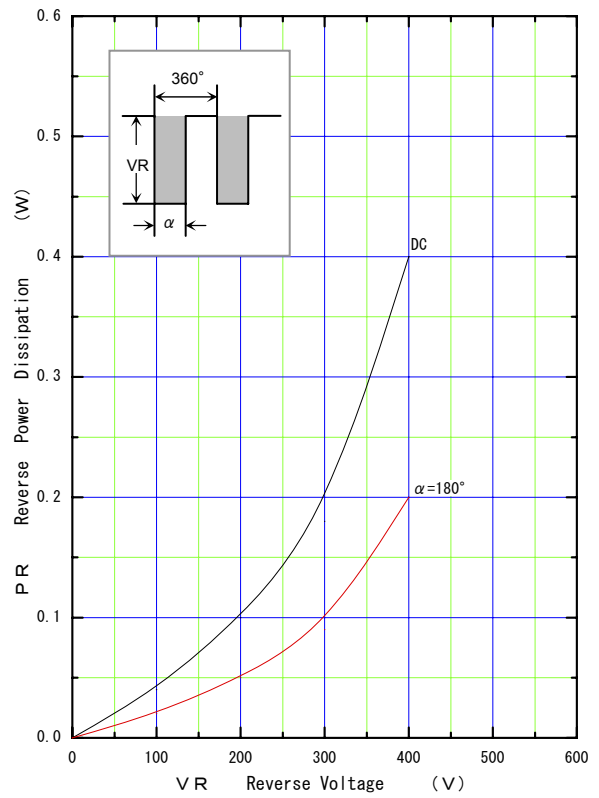
Reverse Characteristic (typ.)



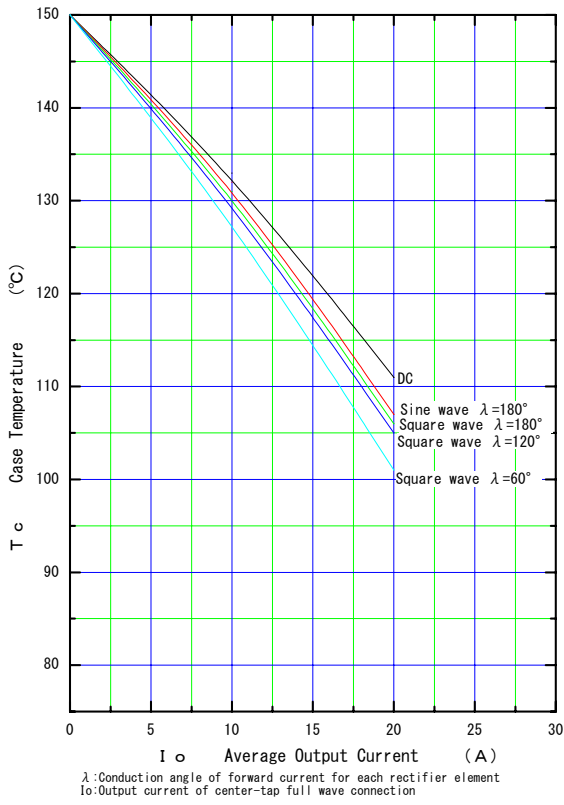
Forward Power Dissipation(max.)



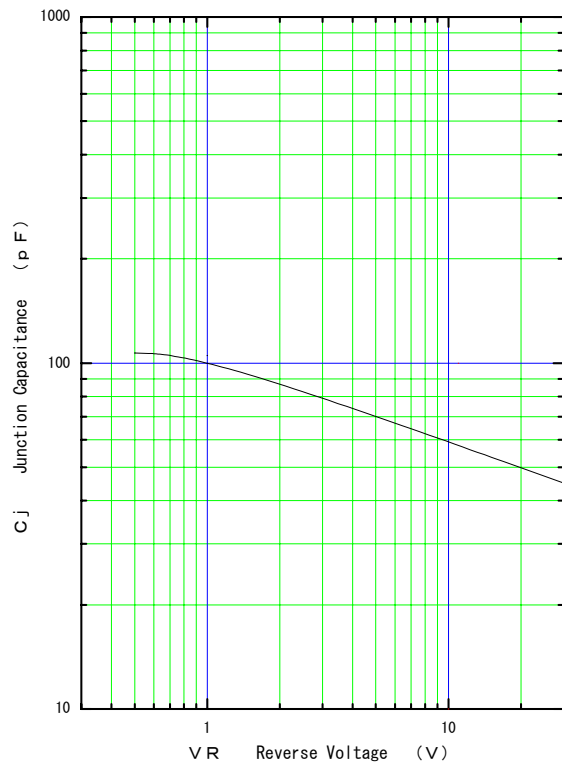
Reverse Power Dissipation(max.)



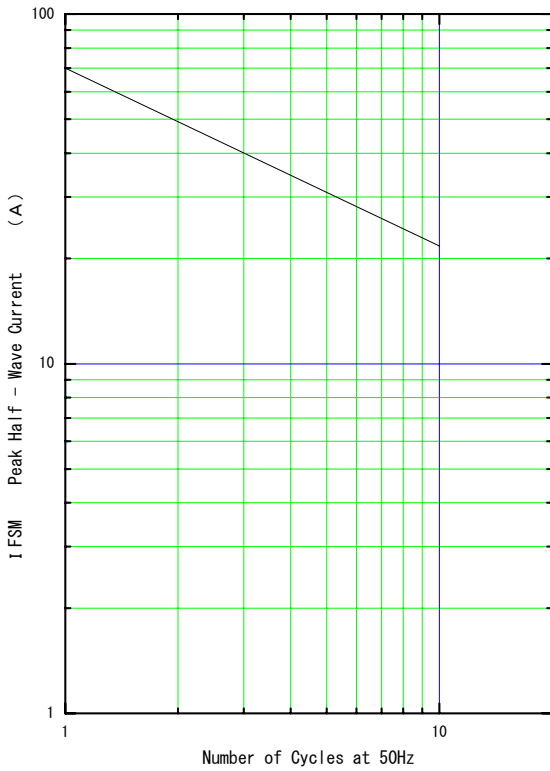
Current Derating (Io-Tc) (max.)

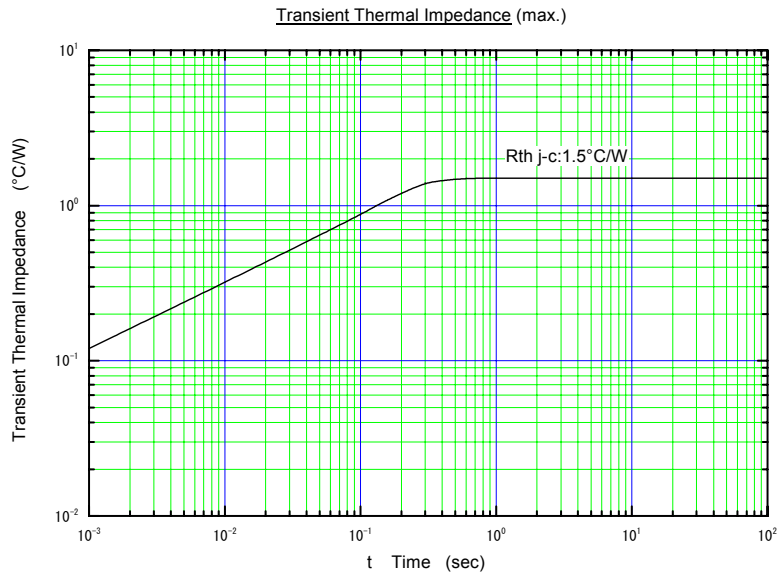


Junction Capacitance Characteristic (typ.)



Surge Capability





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 - Safety devices
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