

PH975C6

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	-	600	V
Average output current	lo	50Hz Square wave duty =1/2 Tc = 97°C	20 *	А
Non-repetitive forward surge current**	IFSM	Sine wave, 10ms 1shot	100	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.)

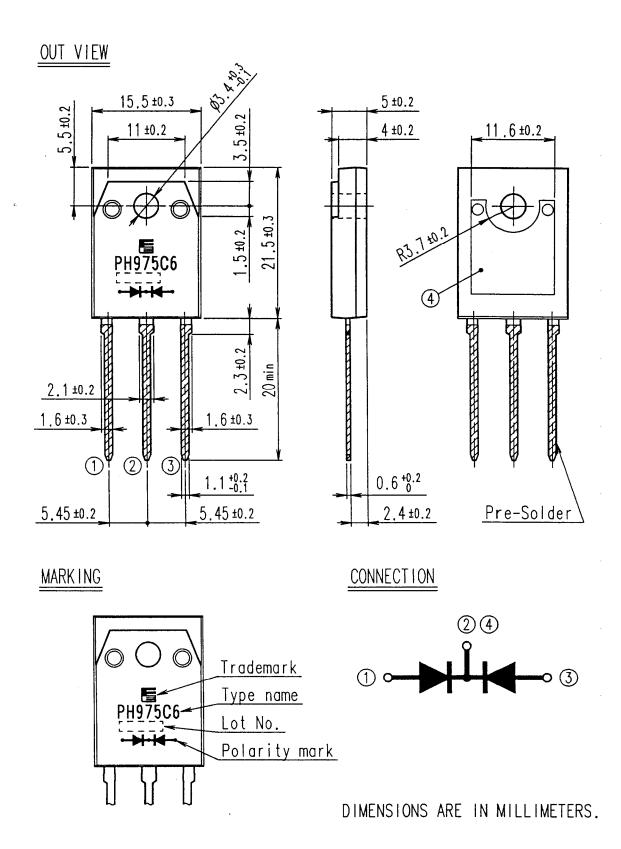
Item	Symbols	Conditions	Maximum	Units
Forward voltage***	VF	I _F = 10 A	1.55	V
Reverse current***	IR	V _R =V _{RRM}	10.0	μA
Reverse recovery time***	trr	I _F =0.1A, I _R =0.2A, Irec =0.05A	50.0	μS
Thermal resistance	Rth(j-c)	Junction to case	1.5	°C/W

Note*** Rating per element

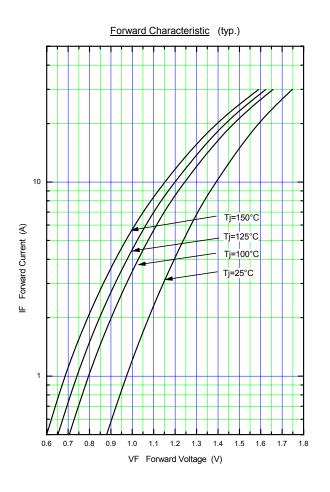
Mechanical characteristics

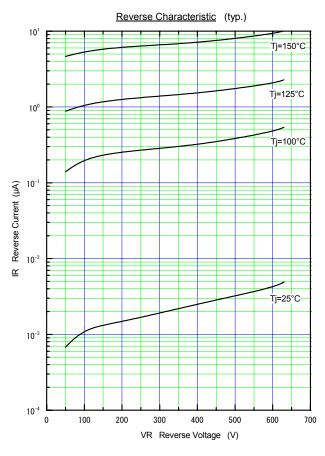
Item	Conditions	Maximum	Units
Mounting torque	Recommended torque	0.4 to 0.6	N•m
Approximate mass	-	4.9	g

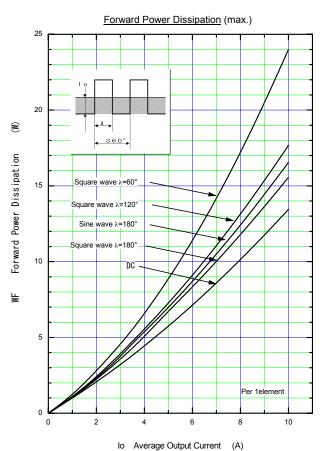
■ Outline Drawings [mm]

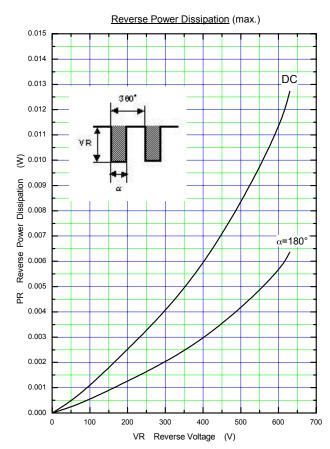


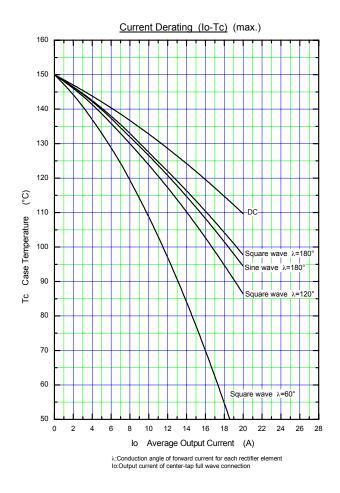
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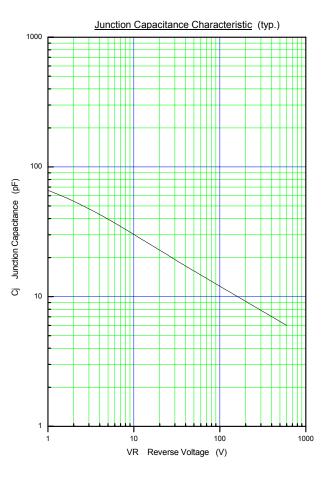


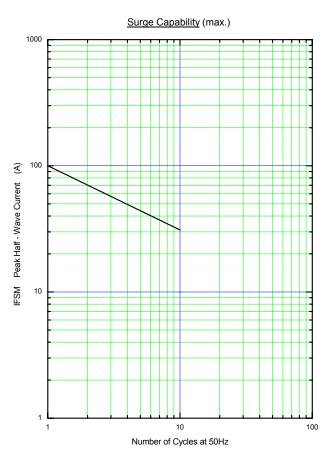


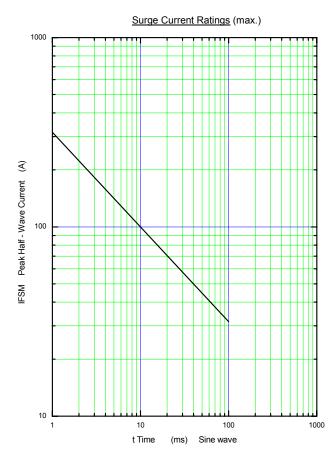




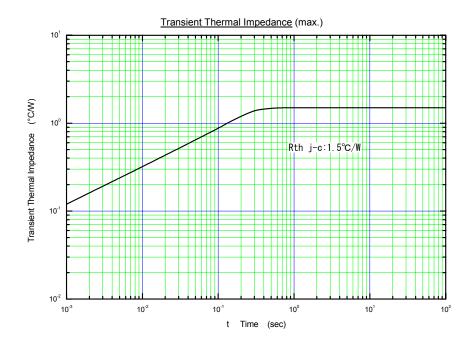








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- OA equipment
- Communications equipment (terminal devices)
- Measurement equipment

- Machine tools
- Audiovisual equipment
- Electrical home appliances
- Personal equipment
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• Traffic-signal control equipment

- Gas leakage detectors with an auto-shut-off feature
- Emergency equipment for responding to disasters and anti-burglary devices
- Safety devices

- Medical equipment
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