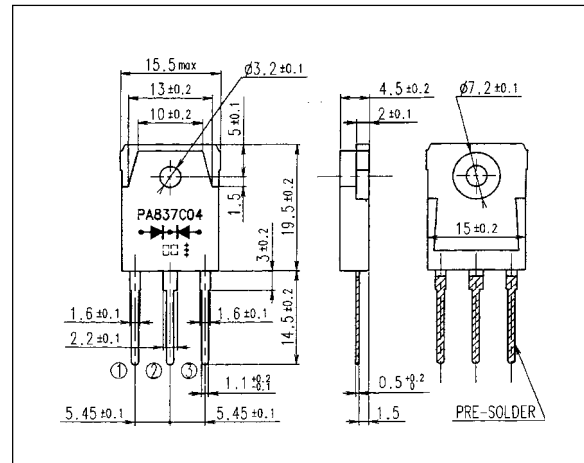


PA837C04 (40V / 60A)

[200510]

Schottky-Barrier Diode

Outline drawings, mm



Package : TO-3P
Epoxy resin UL : V-0

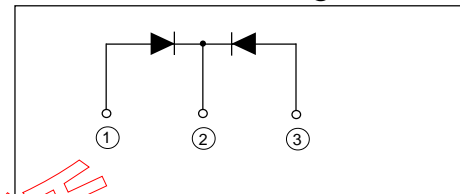
Features

- Low VF
- Center tap connection

Applications

- High frequency operation
- DC-DC converters
- AC adapter

Connection diagram



Maximum ratings and characteristics

- Maximum ratings

Item	Symbol	Conditions	Rating	Unit
Repetitive peak surge reverse voltage	V_{RSM}	$t_w=500\text{ns}$, $\text{duty}=1/40$	48	V
Repetitive peak reverse voltage	V_{RRM}		40	V
Average output current	I_o	Square wave, $\text{duty}=1/2$ $T_c=106^\circ\text{C}$	60 *	A
Non-repetitive surge current	I_{FSM}	Sine wave 10ms	500	A
Surge reverse power	P_{RM}	$t_w=10\mu\text{s}$, 25°C	1000	W
Operating junction temperature	T_j		+150	$^\circ\text{C}$
Storage temperature	T_{stg}		-40 to +150	$^\circ\text{C}$

* Out put current of center tap full wave connection

- Electrical characteristics (at $T_a=25^\circ\text{C}$ Unless otherwise specified)

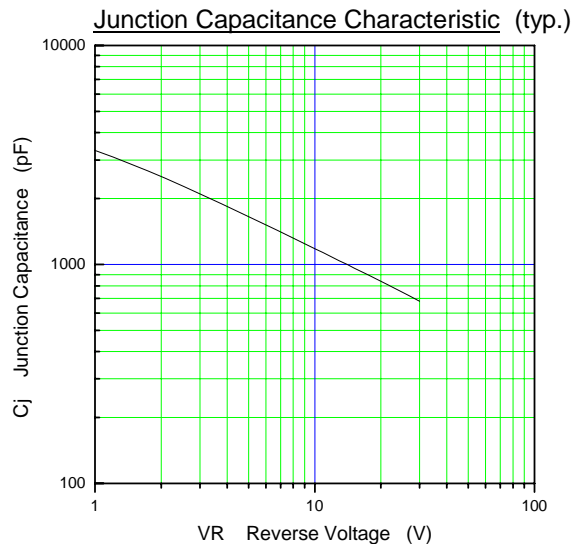
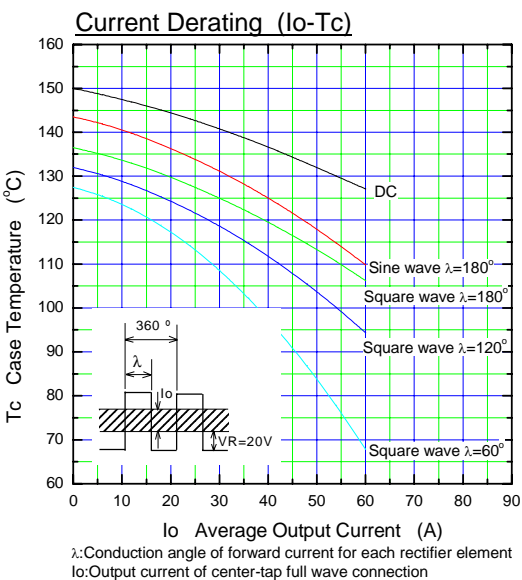
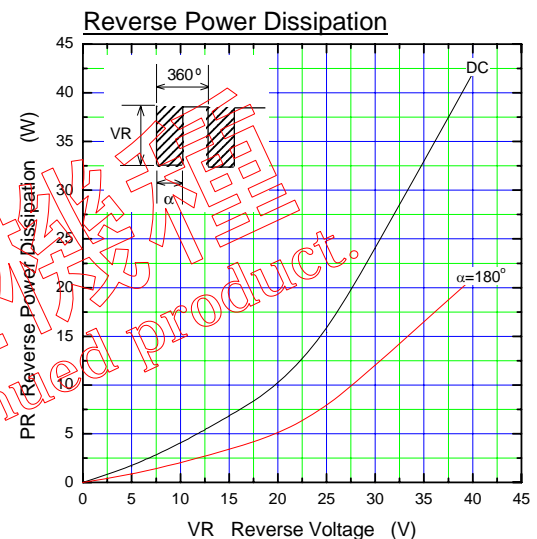
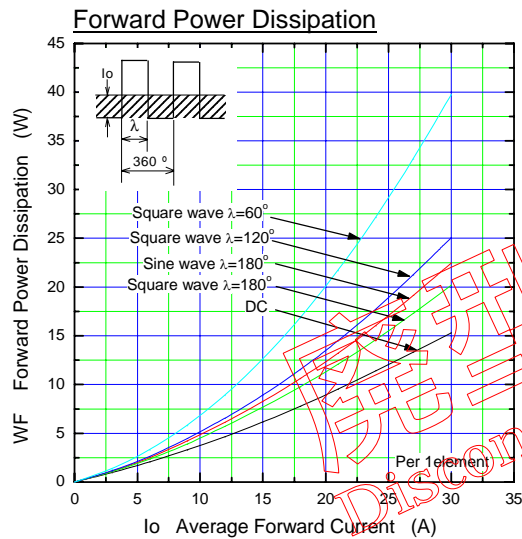
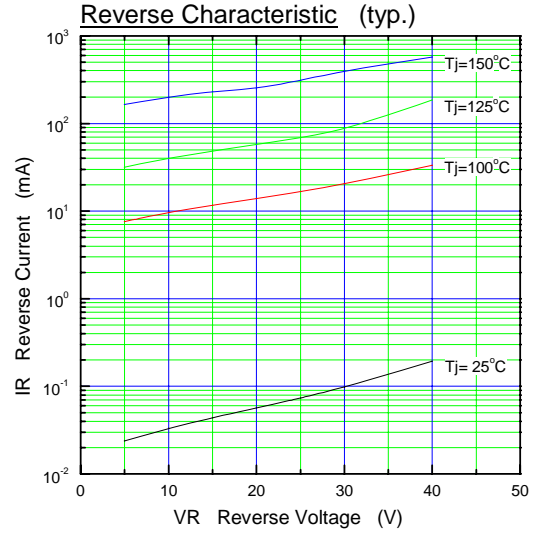
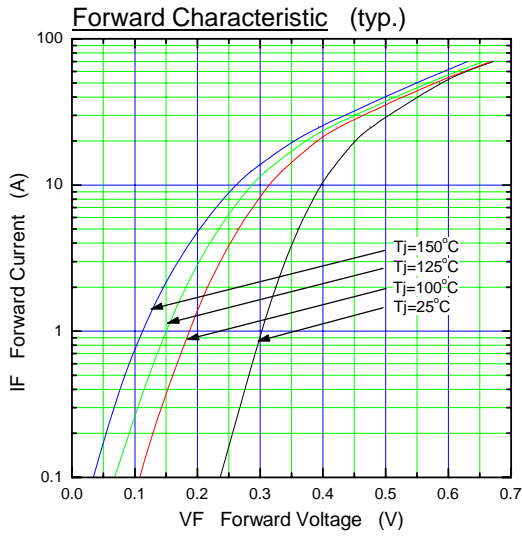
Item	Symbol	Conditions	Max.	Unit
Forward voltage **	V_F	$I_F=25\text{A}$	0.53	V
Reverse current **	I_R	$V_R=V_{RRM}$	25	mA
Reverse avalanche voltage	V_{av}	$I_R=10\text{mA}$	Min. 50	V
Thermal resistance	$R_{th(j-c)}$	Junction to case	0.75	$^\circ\text{C/W}$

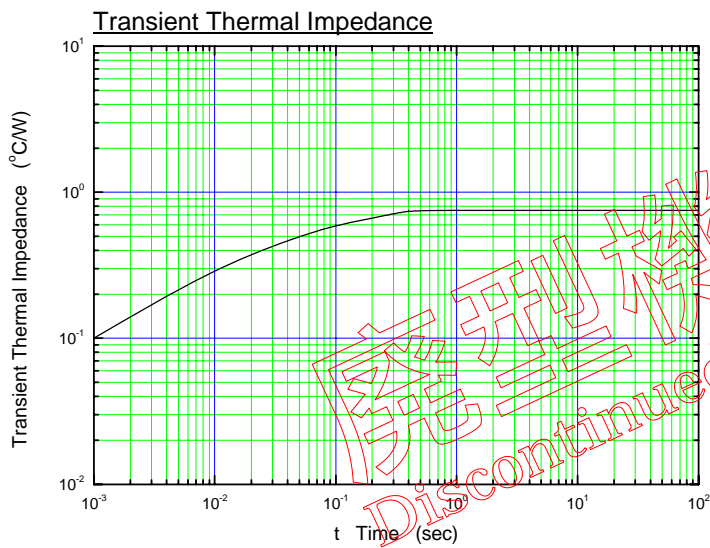
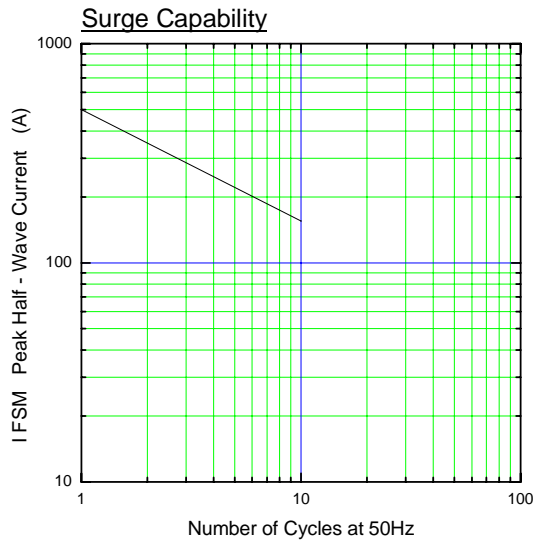
**Rating per element

- Mechanical characteristics

Mounting torque	Recommended torque	0.3 to 0.5	N·m
Approximate mass		2	g

■ Characteristics





廃止機種
Discontinued product.