查询ESAC25供应商 捷多邦，专业PCB打样工厂，24小时加急出货

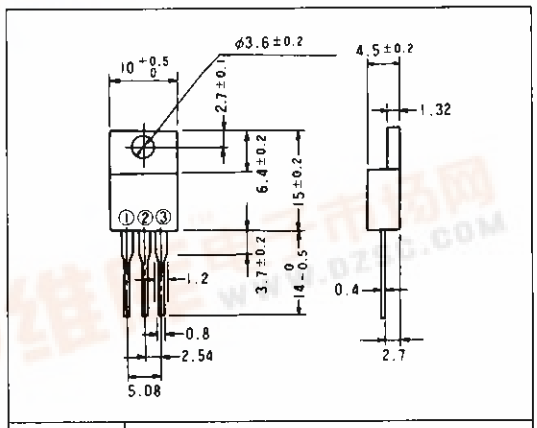
ESAC25(C,N,D)(10A) 富士小電力ダイオード

A

高速整流ダイオード

FAST RECOVERY DIODE

■外形寸法：Outline Drawings



JEDEC	TO-220AB
EIAJ	SC-46

■特長：Features

- **メサ形のため耐圧が高い**
  High voltage by mesa design.
- **高信頼性**
  High reliability

■用途：Applications

- **高速電力スイッチング**
  High speed power switching.

■電極接続 Connection Diagram

ESAC25-□□C	① ② ③
ESAC25-□□N	① ② ③
ESAC25-□□D	① ② ③

■定格と特性：Maximum Ratings and Characteristics

●絶対最大定格：Absolute Maximum Ratings

Items	Symbols	Conditions	Ratings -02	Ratings -04	Units
ピーク繰り返し逆電圧 Repetitive Peak Reverse Voltage	V_{RRM}		200	400	V
ピーク非繰り返し逆電圧 Non-Repetitive Peak Reverse Voltage	V_{RSM}		250	450	V
平均出力電流 Average Output Current	I_O	方形波, duty=½, T_C=106°C Square wave	10*		A
サージ電流 Surge Current	I_{FSM}	正弦波 Sine wave 10ms	70		A
接合温度 Operating Junction Temperature	T_j		−40～+150		°C
保存温度 Storage Temperature	T_{stg}		−40～+150		°C

＊センタータップ平均出力電流
＊average forward current of centertap full wave connection

●電気的特性(特に指定がない限り周囲温度Ta=25°Cとする)
Electrical Characteristics (Ta=25°C Unless otherwise specified)

Items	Symbols	Conditions	Max.	Units
順電圧 Forward Voltage Drop	V_{FM}	I_{FM}=2.5A	1.3	V
逆電流 Reverse Current	I_{RRM}	$V_R=V_{RRM}$	50	μA
逆回復時間 Reverse Recovery Time	t_{rr}	I_F=0.1A, I_R=0.1A	0.4	μs
熱抵抗 Thermal Resistance	$R_{th(j-c)}$	接合・ケース間 平滑直流 junction to case	3.0	°C/W

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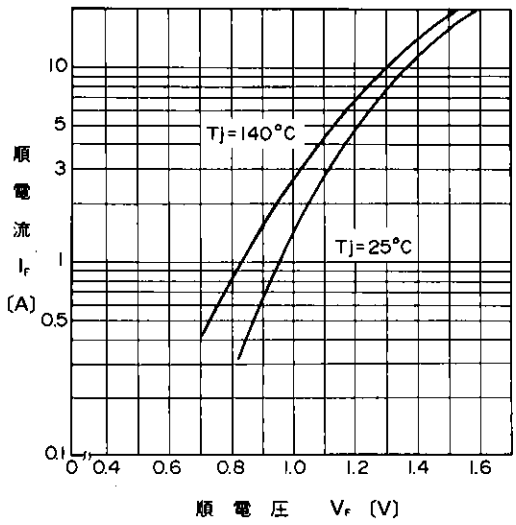
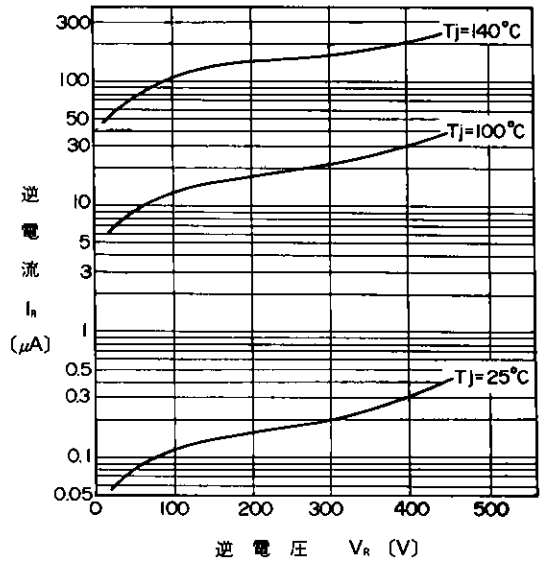
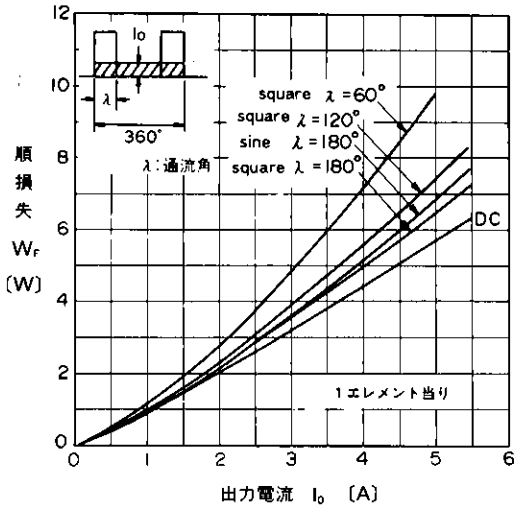
■特性曲線：Characteristics



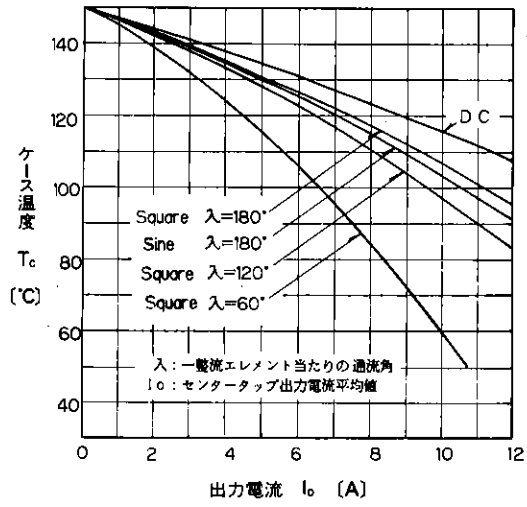
順特性 (代表特性)
Forward Characteristics



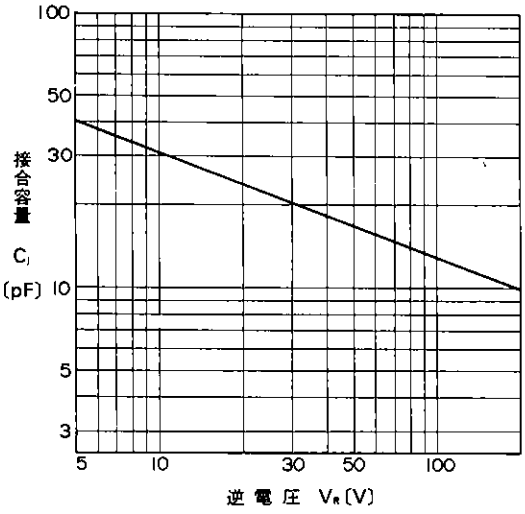
逆特性 (代表特性)
Reverse Characteristics



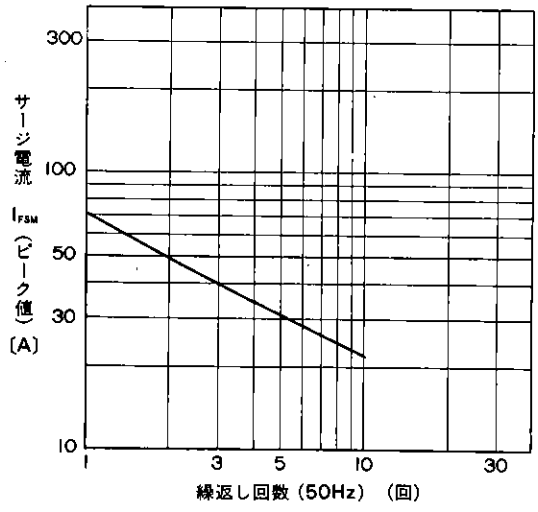
順損失特性
Forward Power Dissipation



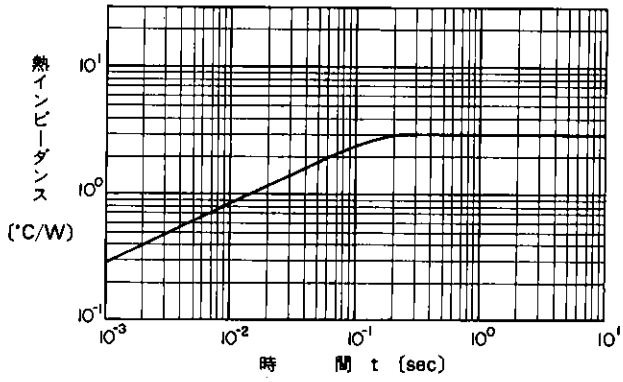
出力電流—ケース温度特性
Output Current-Case Temperature



接合容量特性(代表特性)
Junction Capacitance Characteristics



サージ電流耐量
Surge Capability



過渡熱インピーダンス
Transient Thermal Impedance

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