

高速整流ダイオード

FAST RECOVERY DIODE

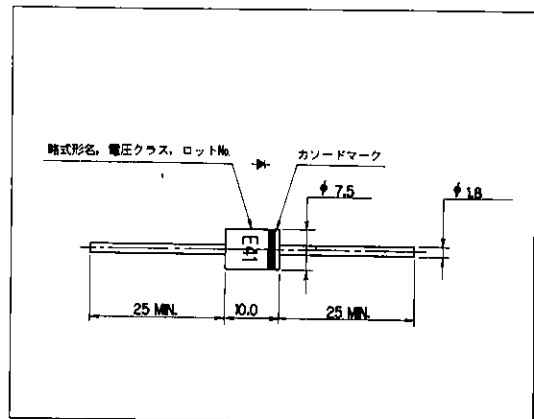
■特長：Features

- 高品位TV, 高精細度ディスプレイ用ダンパー
Damper diode for high definition TV and high resolution display.
- メサ形のため耐圧が高い
High voltage by mesa design.
- 高信頼性
High reliability

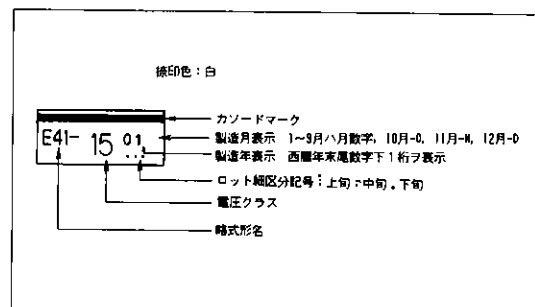
■用途：Applications

- 高速スイッチング
High speed switching.

■外形寸法：Outline Drawings



■表示：Marking



■定格と特性：Maximum Ratings and Characteristics

●絶対最大定格：Absolute Maximum Ratings

Items	Symbols	Conditions	Ratings	Units
ピーク繰り返し逆電圧 Repetitive Peak Reverse Voltage	V_{RRM}		1500	V
ピーク非繰り返し逆電圧 Non-Repetitive Peak Reverse Voltage	V_{RSM}		1500	V
平均順電流 Average Forward Current	$I_{F(AV)}$	抵抗負荷 Resistive load $T_I = 120^\circ\text{C}$	3.0	A
サージ電流 Surge Current	I_{FSM}	正弦波 Sine wave 10ms 定格負荷状態より	50	A
接合温度 Operating Junction Temperature	T_J		-40~+150	$^\circ\text{C}$
保存温度 Storage Temperature	T_{SIG}		-40~+150	$^\circ\text{C}$

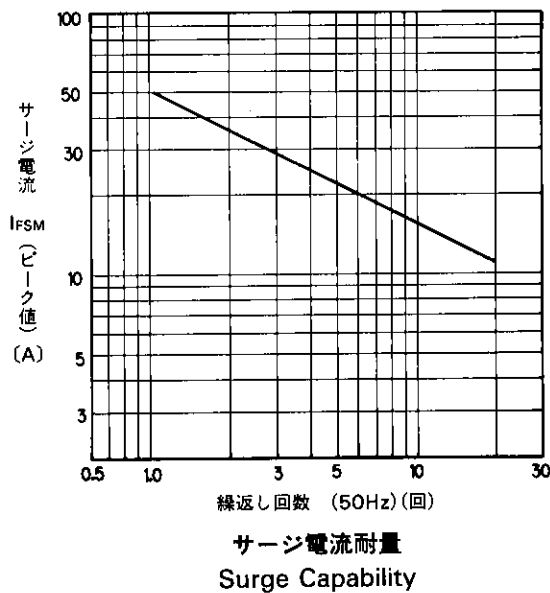
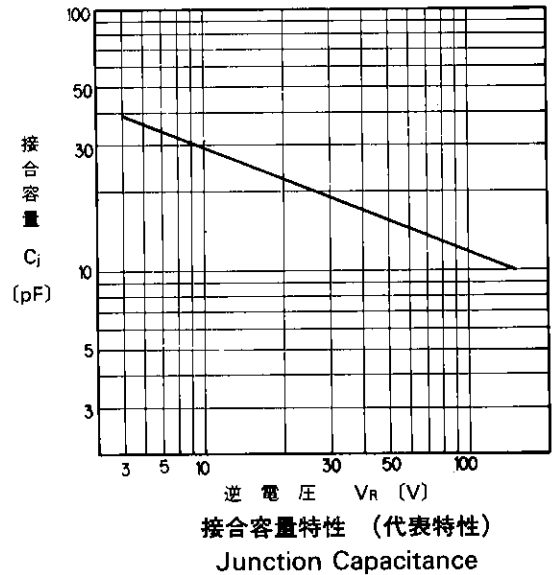
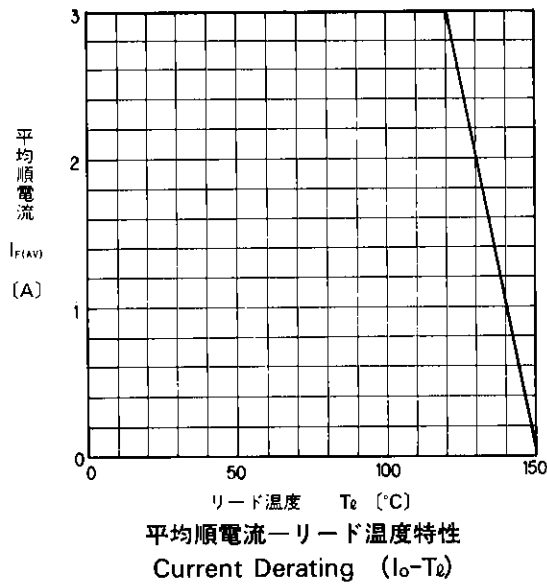
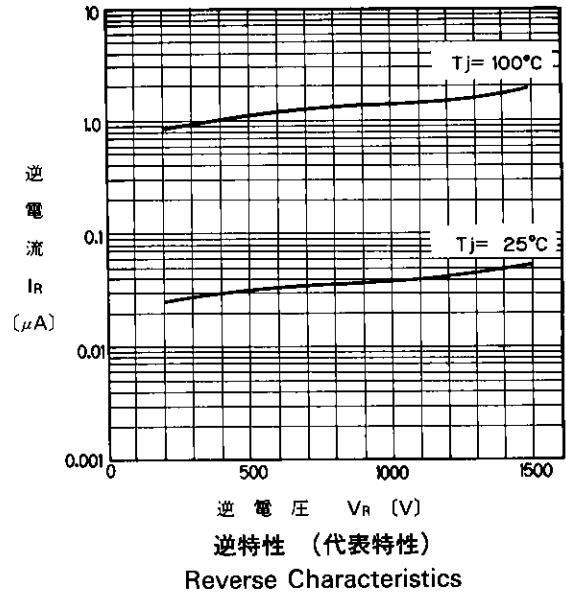
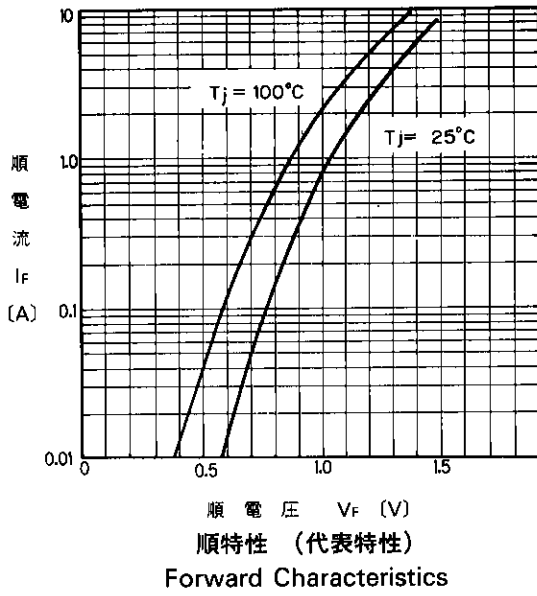
●電気的特性(特に指定がない限り周囲温度 $T_a = 25^\circ\text{C}$ とする)

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

Items	Symbols	Conditions	Max.	Units
順電圧 Forward Voltage Drop	V_{FM}	$I_{FM} = 4\text{A}$	1.6	V
逆電流 Reverse Current	I_{RRM}	$V_R = V_{RRM}$	10	μA
逆回復時間 Reverse Recovery Time	t_{rr}	$I_F = 0.1\text{A}, I_R = 0.1\text{A}$	2.2	μs

A

■特性曲線：Characteristics



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