

D1FL40U

400V 1.5A

特長

- 小型SMD
- 低ノイズ
- trr = 25ns

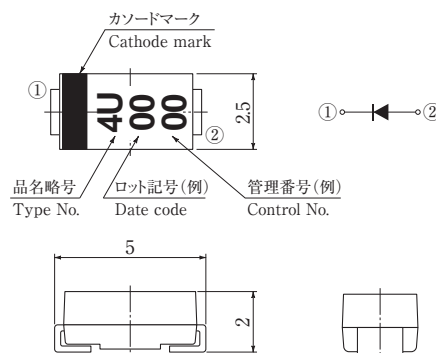
Feature

- Small SMD
- Low Noise
- trr=25ns

■ 外観図 OUTLINE

Package : 1F

Unit:mm



外形図については新電元Webサイトをご参照下さい。捺印表示については捺印仕様をご確認下さい。

For details of the outline dimensions, refer to our web site. As for the marking, refer to the specification "Marking, Terminal Connection".

■ 定格表 RATINGS

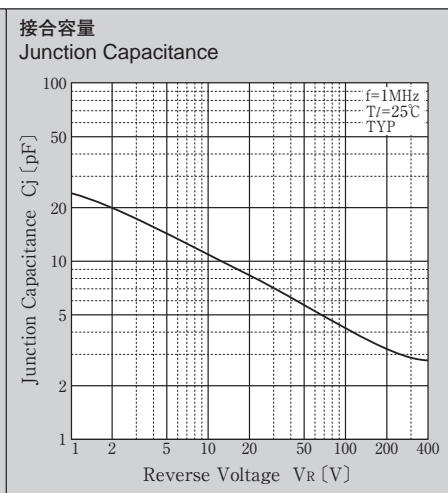
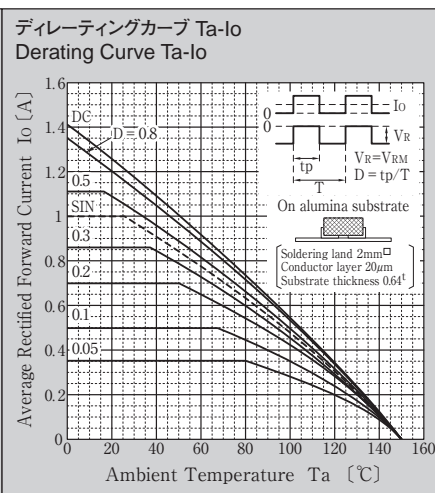
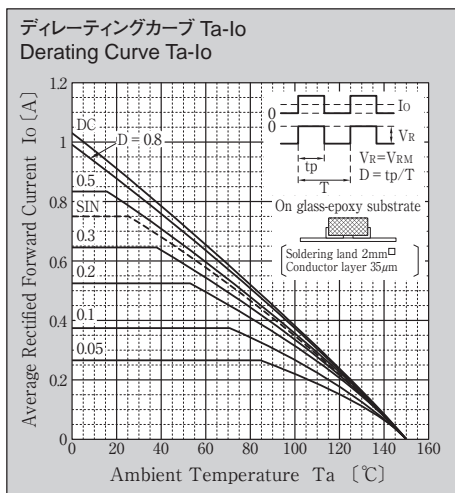
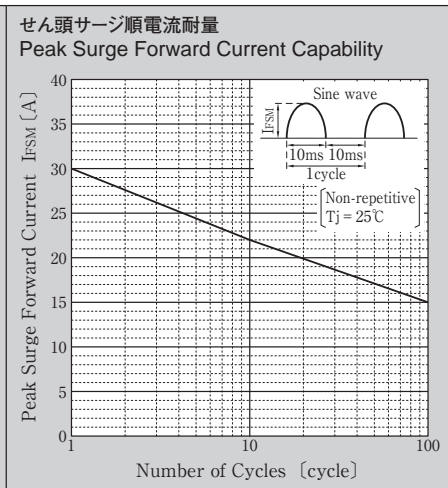
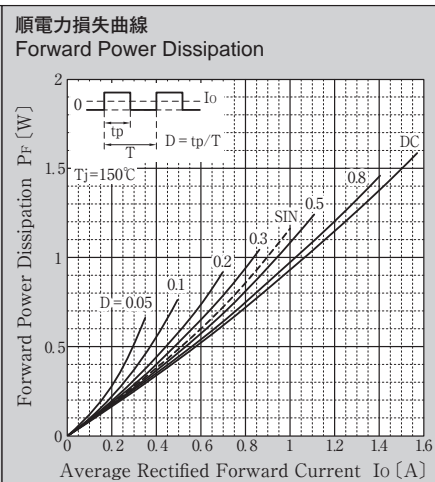
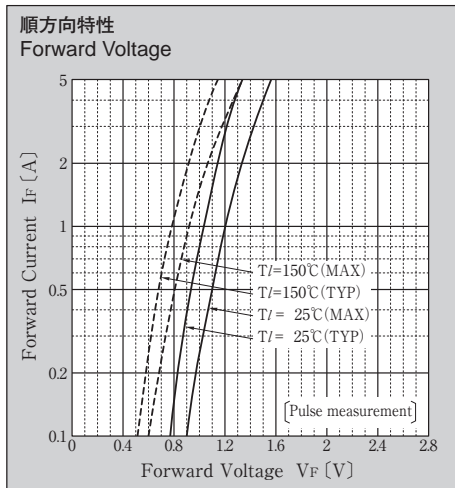
● 絶対最大定格 Absolute Maximum Ratings (指定のない場合 $T_l = 25^\circ\text{C}$)

項目 Item	記号 Symbol	条件 Conditions	規格値 Ratings	単位 Unit
保存温度 Storage Temperature	Tstg		- 55 ~ 150	°C
接合部温度 Operation Junction Temperature	Tj		150	°C
せん頭逆電圧 Maximum Reverse Voltage	V _{RM}		400	V
非繰り返しせん頭逆電圧 Repetitive Peak Surge Reverse Voltage	V _{RSM}	パルス幅1ms Pulse width 1ms	430	V
出力電流 Average Rectified Forward Current	I _O	50Hz正弦波, 抵抗負荷, Ta=25°C プリント基板実装 50Hz sine wave, Resistance load, Ta=25°C On glass-epoxy substrate	0.75	A
		50Hz正弦波, 抵抗負荷, Ta=25°C アルミナ基板実装 50Hz sine wave, Resistance load, Ta=25°C On alumina substrate	1.0	
		50Hz正弦波, 抵抗負荷, Tl=103°C 50Hz sine wave, Resistance load, Tl=103°C	1.5	
せん頭サージ順電流 Peak Surge Forward Current	I _{FSM}	50Hz正弦波, 非繰り返し1サイクルせん頭値, Tj=25°C 50Hz sine wave, Non-repetitive 1 cycle peak value, Tj=25°C	30	A

● 電氣的・熱的特性 Electrical Characteristics (指定のない場合 $T_l = 25^\circ\text{C}$)

順電圧 Forward Voltage	V _F	I _F = 1.0A, パルス測定 Pulse measurement	MAX 1.2	V
逆電流 Reverse Current	I _R	V _R = 400V, パルス測定 Pulse measurement	MAX 10	μA
逆回復時間 Reverse Recovery Time	trr	I _F = 0.5A, I _R = 1A, 0.25 I _R	MAX 25	ns
接合容量 Junction Capacitance	C _j	f = 1MHz, V _R = 10V	TYP 11	pF
熱抵抗 Thermal Resistance	θ _{jl}	接合部・リード間 Junction to lead	MAX 23	°C/W
	θ _{ja}	接合部・周囲間, アルミナ基板実装 Junction to ambient, On alumina substrate	MAX 108	
		接合部・周囲間, プリント基板実装 Junction to ambient, On glass-epoxy substrate	MAX 157	

■特性図 CHARACTERISTIC DIAGRAMS



* Sine waveは50Hzで測定しています。
 * 50Hz sine wave is used for measurements.