

絶対最大定格 Absolute Maximum Ratings (指定のない場合 $T_I = 25^\circ\text{C}$ / Unless otherwise specified)

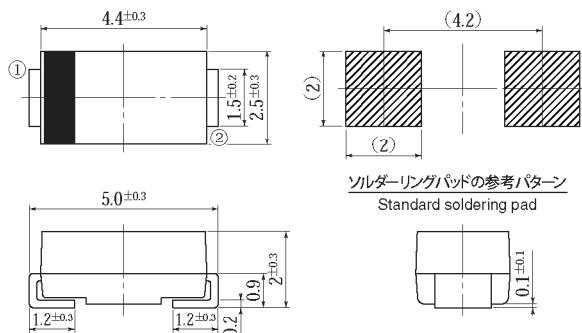
項目 Item	記号 Symbol	条件 Conditions	規格値 Ratings	単位 Unit
保存温度 Storage Temperature	T_{stg}		$-40 \sim 125$	$^\circ\text{C}$
接合部温度 Operating Junction Temperature	T_j		125	$^\circ\text{C}$
オフ電圧 Maximum Off-state Voltage	$V_{DRM(A)}$		190	V
実効オン電流 RMS On-state Current	I_T	$T_I = 98^\circ\text{C}$, 50Hz sine wave ($\theta = 180^\circ$)	1	A
パルスオン電流 Pulse On-state Current	I_{TRM}	$T_a = 25^\circ\text{C}$, pulse width $t_o = 10\mu\text{s}$, sine wave	f = 5Hz 280	A
			f = 60Hz 150	
オン電流上昇率 Critical Rate of Rise of On-state Current	di_T/dt		150	A/ μs

電氣的・熱的特性 Electrical Characteristics (指定のない場合 $T_I = 25^\circ\text{C}$ / Unless otherwise specified)

項目 Item	記号 Symbol	条件 Conditions	規格値 Ratings	単位 Unit
			G1VL22C	
ブレイクオーバー電圧 Breakover Voltage	$V_{BO(A)}$	Pulse measurement $dv/dt = 4\text{V/ms}$	210 ~ 230	V
オフ電流 Off-state Current	$I_{DRM(A)}$	$V_D = 190\text{V}$	MAX 10	μA
ブレイクオーバー電流 Breakover Current	$I_{BO(A)}$		MAX 0.5	mA
保持電流 Holding Current	$I_H(A)$		MAX 60	mA
オン電圧 On-state Voltage	$V_T(A)$	$I_T = 1\text{A}$	MAX 1.5	V
スイッチング抵抗 Switching Resistance	$R_{S(A)}$		MIN 0.1	$\text{k}\Omega$
熱抵抗 Thermal Resistance	θ_{jI}	Junction to lead	MAX 23	$^\circ\text{C/W}$

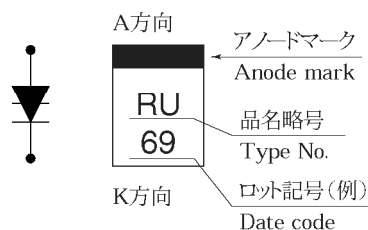
外形寸法図 Outline Dimensions

Package : 1F



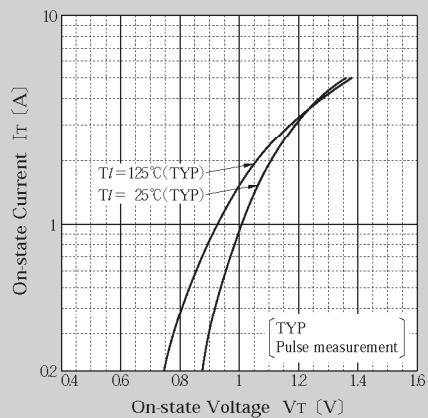
[Unit : mm]

●捺印面展開図 Marking

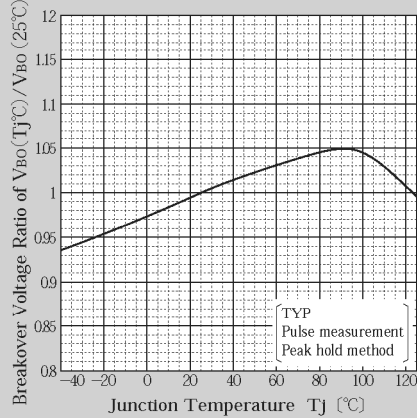


特性図 Characteristic Diagrams

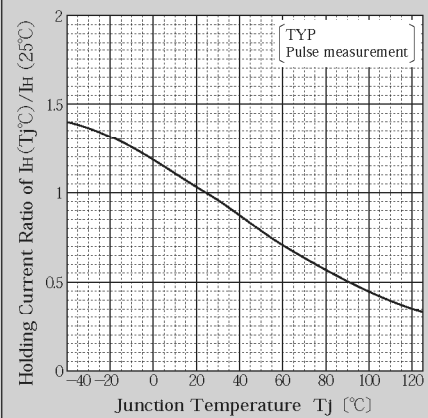
On-state Voltage vs On-state Current



Breakover Voltage vs Junction Temperature



Holding Current vs Junction Temperature



Pulse On-state Current Derating (I_{TRM})

