

RB731U

Diode, Schottky barrier, surface mount

These mold-type diodes are suitable for high density surface mounting on printed circuit boards. Each envelope contains three diodes.

Features

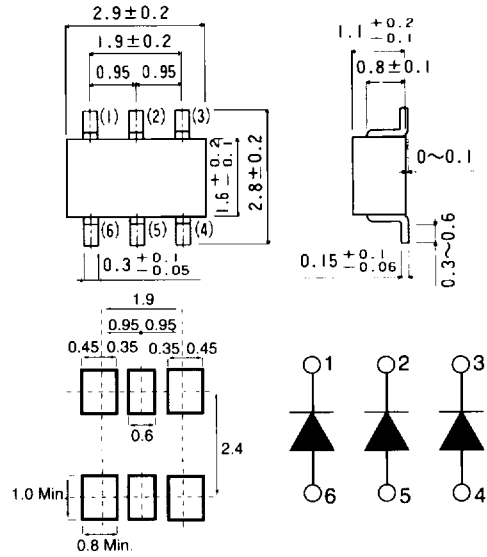
- available in SMD6 (IMD, SC-59) package
- part marking, D3P

Applications

- general detection circuits
- high speed switching

Note: Care must be taken when installing and in operation to protect these diodes from static electricity.

Dimensions (Units : mm)



Absolute maximum ratings ($T_a = 25^\circ\text{C}$)

Parameter	Symbol	Limits	Unit	Conditions
Peak reverse voltage	V_{RM}	25	V	
DC reverse voltage	V_R	20	V	
Mean rectifying current	I_O	30	mA	
Peak forward surge current	I_{FSM}	200	mA	At 60 Hz for 1 cycle
Junction temperature	T_j	125	$^\circ\text{C}$	
Storage temperature	T_{stg}	-40 ~ +125	$^\circ\text{C}$	

Electrical characteristics (unless otherwise noted, $T_a = 25^\circ\text{C}$)

Parameter	Symbol	Min	Typical	Max	Unit	Conditions
Forward voltage	V_F		0.26	0.37	V	$I_F = 1.0 \text{ mA}$
Reverse current	I_R		0.11	1	μA	$V_R = 10 \text{ V}$
Capacitance between terminals	C_t		2.0		pF	$V_R = 1 \text{ V}, f = 1 \text{ MHz}$

Electrical characteristic curves

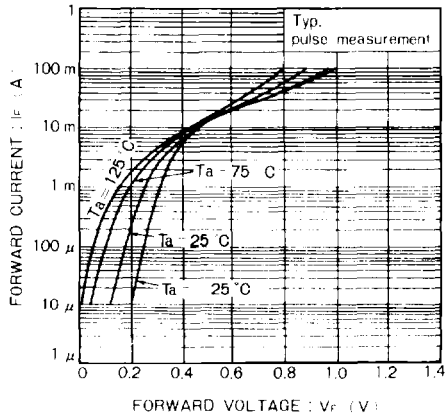


Figure 1

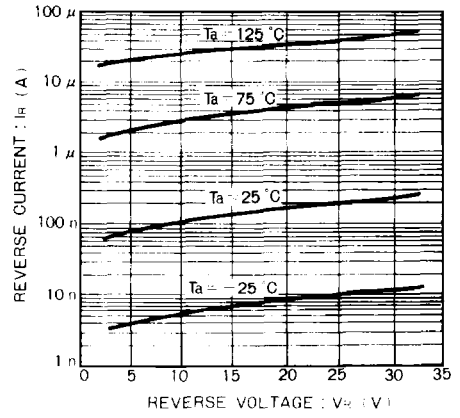


Figure 2

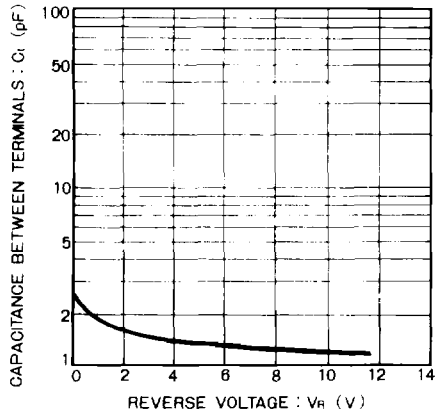


Figure 3