DAN222M/DAN222/DAN202U/DAN202K DAP222M/DAP222/DAP202U/DAP202K DA227

Switching diode

DAN222M / DAN222 / DAN202U / DAN202K DAP222M / DAP222 / DAP202U / DAP202K DA227

Application

Ultra high speed switching

Features

- 1) Four types of packaging are available.
- 2) High speed. (tr=1.5ns Typ.)
- 3) Suitable for high packing density layout.
- 4) High reliability.

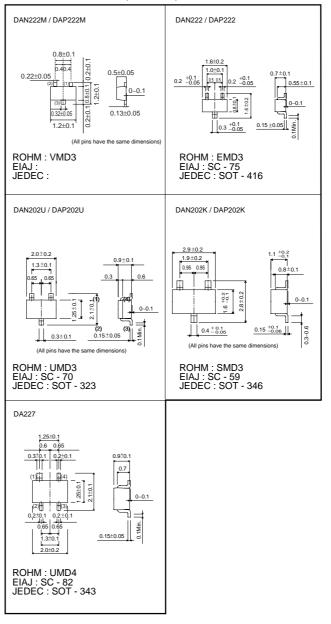
Construction

Silicon epitaxial planar

Marking

U	
DAN222M DAN222 DAN202U DAN202K	
DAP222M DAP222 DAP202U DAP202K	P
DA227	(3) (2) N20 (4) (1)

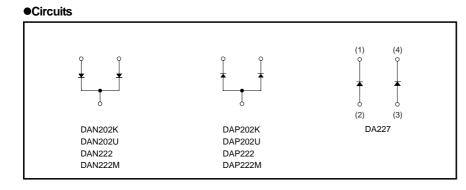
•External dimensions (Unit : mm)



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Diodes

DAN222M/DAN222/DAN202U/DAN202K DAP222M/DAP222/DAP202U/DAP202K DA227



●Absolute maximum ratings (Ta=25°C)

Туре	Peak reverse voltage Vrм (V)	DC reverse voltage VR (V)	Peak forward current Iгм (mA)	Mean rectifying current Io (mA)	Surge current (1µs) I _{surge} (A)	Power dissipation (TOTAL) Pd(mW)	Junction temperature Tj (°C)	Storage temperature Tstg (°C)	P / N Type
DAN202K	80	80	300	100	4	200	150	-55 to +150	Ν
DAP202K	80	80	300	100	4	200	150	-55 to +150	Р
DAN202U	80	80	300	100	4	200	150	-55 to +150	Ν
DAP202U	80	80	300	100	4	200	150	-55 to +150	Р
DAN222	80	80	300	100	4	150	150	-55 to +150	Ν
DAP222	80	80	300	100	4	150	150	-55 to +150	Р
DAN222M	80	80	300	100	4	150	100	-55 to +150	Ν
DAP222M	80	80	300	100	4	150	100	-55 to +150	Р
DA227	80	80	300	100	4	150	150	-55 to +150	Ν

•Electrical characteristics (Ta=25°C)

	Forward voltage		Reverse current		Capacitance between terminals			Reverse recovery time			
Туре	V _F (V) Max.	Cond.		Cond.	Ст (pF) Max.	Cond.		trr (ns)	Cond.		
		I⊧ (mA)		Vr (V)		Vr (V)	f (MHz)	Max.	Vr (V)	I⊧ (mA)	
DAN202K	1.2	100	0.1	70	3.5	6	1	4	6	5	
DAP202K	1.2	100	0.1	70	3.5	6	1	4	6	5	
DAN202U	1.2	100	0.1	70	3.5	6	1	4	6	5	
DAP202U	1.2	100	0.1	70	3.5	6	1	4	6	5	
DAN222	1.2	100	0.1	70	3.5	6	1	4	6	5	
DAP222	1.2	100	0.1	70	3.5	6	1	4	6	5	
DAN222M	1.2	100	0.1	70	3.5	6	1	4	6	5	
DAP222M	1.2	100	0.1	70	3.5	6	1	4	6	5	
DA227	1.2	100	0.1	70	3.5	6	1	4	6	5	



DAN222M/DAN222/DAN202U/DAN202K DAP222M/DAP222/DAP202U/DAP202K DA227

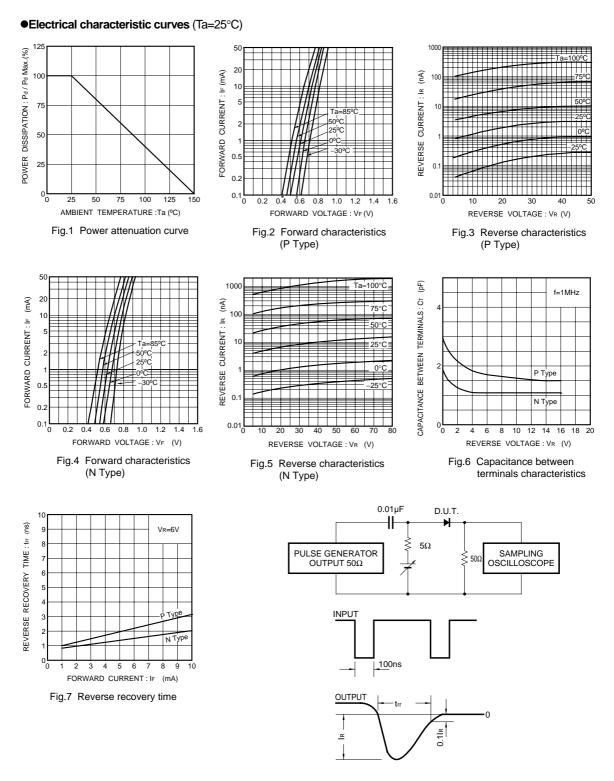


Fig.8 Reverse recovery time (trr) measurement circuit

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