

General Purpose Diodes/Arrays

Features

- High level Arrays of Integration.
- Downsized Packages.
- High Surge capabilities.

Applications

- General Purpose.
- Switching.
- Rectification.



Surface Mounting Type

Application	Part No.	Absolute maximum ratings (Ta=25°C)		Electrical characteristics (Ta=25°C)				Package	Equivalent circuit diagram
		V _R (V)	I _O (mA)	V _F (V)Max.		I _R (μA)Max.			
				I _F (mA)	V _F (V)	I _R (μA)	V _F (V)		
High-speed	1SS400	80	100	1.2	100	0.1	80	EMD2	
	1SS355	80	100	1.2	100	0.1	80	UMD2	
	RLS-73	80	130	1.2	100	0.5	80	LLDS	
	DAN222	80	100	1.2	100	0.1	70	EMD3	
	DAN202U	80	100	1.2	100	0.1	70	UMD3	
	DAN202K	80	100	1.2	100	0.1	70	SMD3	
	DAP222	80	100	1.2	100	0.1	70	EMD3	
	DAP202U	80	100	1.2	100	0.1	70	UMD3	
	DAP202K	80	100	1.2	100	0.1	70	SMD3	
	DA221	20	100	1.0	10	0.1	15	EMD3	
	DA204U	20	100	1.0	10	0.1	15	UMD3	
	DAN217	80	100	1.2	100	0.1	70	SMD3	
	DA204K	20	100	1.0	10	0.1	15	SMD3	
	UMN11N	80	25	0.9	5	0.1	70	UMD5	
	FMN1	80	25	0.9	5	0.1	70	SMD5	
	UMP1N	80	25	0.9	5	0.1	70	UMD5	
	FMP1	80	25	0.9	5	0.1	70	SMD5	
	UMN11N	80	100	1.2	100	0.1	70	UMD6	
	IMN11	80	100	1.2	100	0.1	70	SMD6	
	UMP11N	80	100	1.2	100	0.1	70	UMD6	
IMP11	80	100	1.2	100	0.1	70	SMD6		
DA227	80	100	1.2	100	0.1	70	UMD4		
IMN10	80	100	1.2	100	0.1	70	SMD6		
Low leak	1SS380	35	100	1.2	100	0.01	20	UMD2	
High-voltage	1SS376	250	100	1.2	100	0.2	250	UMD2	
	RLS245	220	200	1.5	200	10	220	LLDS	

Surface Mount Small Signal Type (I_O<0.5A)

Part No.	Absolute maximum ratings (Ta=25°C)		Electrical characteristics (Ta=25°C)				Package	Equivalent circuit diagram
	V _R (V)	I _O (mA)	V _F (V)Max.		I _R (μA)Max.			
			I _F (mA)	V _F (V)	I _R (μA)	V _F (V)		
RB521S-30	30	200	0.50	200	30	10	EMD2	
RB520S-30	30	200	0.60	200	1	10	EMD2	
RB501V-40	40	100	0.55	100	30	10	UMD2	
RB500V-40	40	100	0.45	10	1	10	UMD2	
RB751V-40	30	30	0.37	1	0.5	30	UMD2	
RB715F	40	30	0.37	1	1	10	UMD3	
RB425D	40	100	0.55	100	30	10	SMD3	
RB705D	40	30	0.37	1	1	10	SMD3	
RB495D	25	400	0.50	200	70	25	SMD3	
RB717F	40	30	0.37	1	1	10	UMD3	
RB706F-40	40	30	0.37	1	1	10	UMD3	
RB706D-40	40	30	0.37	1	1	10	SMD3	
RB451F	40	100	0.55	100	30	10	UMD3	
RB450F	40	100	0.45	10	1	10	UMD3	
RB421D	40	100	0.55	100	30	10	SMD3	
RB420D	40	100	0.45	10	1	10	SMD3	
RB480K	40	100	0.60	100	1	10	UMD4	
RB471E	40	100	0.55	100	30	10	SMD5	
RB731U	40	30	0.37	1	1	10	SMD6	

General Purpose Schottky Barrier Diodes

Features

- Ultra Low V_F.
- Ultra Low I_R.
- Balanced Thermal Dissipation (Heat dissipated more evenly).

Applications

- Power Management.
- Battery powered portable equipment.
- Cellular Phones.
- PCs etc,etc.



High Current Ultra Low VF Schottky Barrier Diodes

Surface Mount Rectifier Type (I_O≥0.5A)

Part No.		Absolute maximum ratings (Ta=25°C)				Electronic characteristics (Ta=25°C)				Package	Equivalent circuit diagram
Part No.	Taping Code	V _{RM} (V)	V _R (V)	I _O (A)	I _{FSM} (A) 60Hz, 1∞	V _F (V)Max.		I _R (mA)Max.			
						I _F (A)	V _F (V)	I _R (mA)	V _F (V)		
RB551V-30	TE-17	30	20	0.5	2	0.36	0.1	0.1	20	UMD2	
RB160L-60	TE25	60	60	1.0	30	0.58	1.0	1.0	60	PMDS	
RB160L-40	TE25	40	40	1.0	70	0.55	1.0	0.1	40	PMDS	
RB161L-40	TE25	40	20	1.0	70	0.40	1.0	1.0	20	PMDS	
RB060L-40	TE25	40	40	2.0	70	0.50	2.0	1.0	40	PMDS	
RB050L-40	TE25	40	40	3.0	70	0.55	3.0	1.0	40	PMDS	
RB051L-40	TE25	40	20	3.0	70	0.45	3.0	1.0	20	PMDS	
RB081L-20	TE25	25	20	5.0	70	0.45	5.0	0.7	20	PMDS	
RB461F	T106	25	20	0.7	3	0.49	0.7	0.20	20	UMD3	
RB411D	T146	40	20	0.5	3	0.50	0.5	0.03	10	SMD3	
RB400D	T146	40	40	0.5	3	0.55	0.5	0.05	30	SMD3	
RB491D	T146	25	20	1.0	3	0.45	1.0	0.20	20	SMD3	



Zener Arrays

Applications

- Used for ESD protection.
- FTZ, 8 line protection with just two components.
- Also available as TVS (Transit Voltage Suppressor).



Diode Arrays (2-4 elements)

Part No.		Absolute maximum ratings (Ta=25°C)	Electrical characteristics (Ta=25°C)			Package	Equivalent circuit diagram
Part No.	Taping Code		P (mW)	Vz (V) Min.	Max.		
UMZ8.2T	T106	200	7.76	8.64	5	UMD3	
STZ6.8T	T146	200	6.47	7.14	5	SMD3	
UMZ8.2N	T106	200	7.76	8.64	5	UMD3	
STZ6.2N	T146	200	5.81	6.40	5	SMD3	
STZ6.8N	T146	200	6.47	7.14	5	SMD3	
FTZ5.6E	T148	200	5.31	5.92	5	SMD5	
FTZ6.8E	T148	200	6.47	7.14	5	SMD5	

Band Switching Diodes

Part No.	Absolute maximum ratings (Ta=25°C)	Electrical characteristics (Ta=25°C)		Package	Equivalent circuit diagram
	P (mV)	Ct (pF) Max.	rF (Ω) Max.		
1SS390	35	1.2	0.9	EMD2	
1SS356	35	1.2	0.9	UMD2	
DAN235E	35	1.2	0.9	EMD3	
DAN235U	35	1.2	0.9	UMD3	
DAP236U	35	1.2	0.9	UMD3	

High Frequency Diodes

Applications

- Radio.
- Communications.
- Tuners.
- Cellular phones - PIN diodes for switched antenna modules, etc.

Pin Diodes

Part No.	Absolute maximum ratings (Ta=25°C)		Electrical characteristics (Ta=25°C)		Package	Equivalent circuit diagram
	Vs (V)	If (mA)	Ct (pF) Max.	rF (Ω) Max.		
RN731V	50	50	0.4	7	UMD2	
RN739F	50	50	0.4	7	UMD3	

Two Terminal Single Diodes

Features

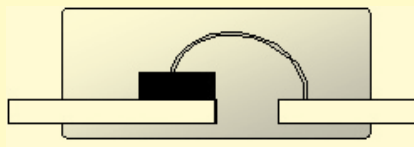
- Available in various packages. (Leaded glass & 2 lead molded).
- UDZS series features Sandwich Construction (Improved Thermal Dissipation and superior handling).

Series	Vz (V)	Iz (mA)	Power (mW)	Package
EDZ	4.7~6.8	5	100	EMD2
UDZS	3.6~36	5	200	UMD2
PTZ	3.6~36	10~40	1000	PMDS



UDZS Series

Conventional



Sandwich Construction

