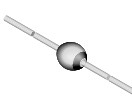
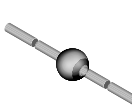

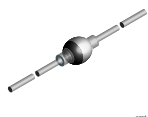


DESCRIPTION	PART NUMBER	V <sub>R</sub> V <sub>RRM</sub> V <sub>RWM</sub> [V]	I <sub>FAV</sub> [A]	I <sub>FSM</sub> @ t <sub>p</sub> = 10 ms [A]	V <sub>F</sub> 25 °C [V]	@ I <sub>F</sub> [A]	I <sub>R</sub> @ T <sub>j</sub> 25 °C [mA]	I <sub>R</sub> HIGH TEMP .	@ T <sub>j</sub> [°C]	T <sub>j</sub> T <sub>STG</sub> MIN [°C]	T <sub>j</sub> T <sub>STG</sub> MAX [°C]	t <sub>rr</sub> MAX [ns]	E <sub>R</sub> [mJ]	@ I <sub>R</sub> [A]
<b>SOD-57 Package</b> <b>Ultra-Fast Avalanche</b> <b>Sinterglass Diodes</b> (trr < 100 ns) <b>Leaded - Glass</b> <b>Passivated</b> 	BYT53A	50	1.9	50	1.1	1	5	200	150	-55	175	50	20	1
	BYT53B	100	1.9	50	1.1	1	5	200	150	-55	175	50	20	1
	BYT53C	150	1.9	50	1.1	1	5	200	150	-55	175	50	20	1
	BYT53D	200	1.9	50	1.1	1	5	200	150	-55	175	50	20	1
	BYT53F	300	1.9	50	1.1	1	5	200	150	-55	175	50	20	1
	BYT53G	400	1.9	50	1.1	1	5	200	150	-55	175	50	20	1
	BYV26A	200	1	30	2.5	1	5	100	150	-55	175	30	10	1
	BYV26B	400	1	30	2.5	1	5	100	150	-55	175	30	10	1
	BYV26C	600	1	30	2.5	1	5	100	150	-55	175	30	10	1
	BYV26D	800	1	30	2.5	1	5	100	150	-55	175	75	10	1
	BYV26E	1000	1	30	2.5	1	5	100	150	-55	175	75	10	1
	BYV27-50	50	2	50	1.07	3	1	150	165	-55	175	25	20	1
	BYV27-100	100	2	50	1.07	3	1	150	165	-55	175	25	20	1
	BYV27-150	150	2	50	1.07	3	1	150	165	-55	175	25	20	1
	BYV27-200	200	2	50	1.07	3	1	150	165	-55	175	25	20	1
	BYV27-600	600	2	50	1.35	3	5	150	150	-55	175	40	10	0.4
	SF1200	1200	1	30	3.4	1	5	50	125	-55	175	75	10	0.4
	SF1600	1600	1	30	3.4	1	5	50	125	-55	175	75	10	0.4
	SF4001	50	1	30	1	1	5	50	125	-55	175	50	10	0.4
	SF4002	100	1	30	1	1	5	50	125	-55	175	50	10	0.4
	SF4003	200	1	30	1	1	5	50	125	-55	175	50	10	0.4
SF4004	400	1	30	1	1	5	50	125	-55	175	50	10	0.4	
SF4005	600	1	30	1.7	1	5	50	125	-55	175	75	10	0.4	
SF4006	800	1	30	1.7	1	5	50	125	-55	175	75	10	0.4	
SF4007	1000	1	30	1.7	1	5	50	125	-55	175	75	10	0.4	
<b>SOD-64 Package</b> <b>Ultra-Fast Avalanche</b> <b>Sinterglass Diodes</b> (trr < 100 ns) <b>Leaded - Glass</b> <b>Passivated</b> 	BYV28-50	50	3.5	90	1.1	5	1	150	165	-55	175	30	20	1
	BYV28-100	100	3.5	90	1.1	5	1	150	165	-55	175	30	20	1
	BYV28-150	150	3.5	90	1.1	5	1	150	165	-55	175	30	20	1
	BYV28-200	200	3.5	90	1.1	5	1	150	165	-55	175	30	20	1
	BYV28-600	600	3.5	90	1.35	5	5	150	150	-55	175	50	20	1
	BYV98-50	50	4	70	1.1	5	10	200	150	-55	175	35	20	1
	BYV98-100	100	4	70	1.1	5	10	200	150	-55	175	35	20	1
	BYV98-150	150	4	70	1.1	5	10	200	150	-55	175	35	20	1
	BYV98-200	200	4	70	1.1	5	10	200	150	-55	175	35	20	1
	BYW178	800	3	80	1.9	3	1	20	100	-55	175	60	20	1
	SF5400	50	3	150	1.1	3	5	50	125	-55	175	50	10	0.4
	SF5401	100	3	150	1.1	3	5	50	125	-55	175	50	10	0.4
	SF5402	200	3	150	1.1	3	5	50	125	-55	175	50	10	0.4
	SF5403	300	3	150	1.1	3	5	50	125	-55	175	50	10	0.4
	SF5404	400	3	150	1.1	3	5	50	125	-55	175	50	10	0.4
	SF5405	500	3	150	1.7	3	5	50	125	-55	175	75	10	0.4
	SF5406	600	3	150	1.7	3	5	50	125	-55	175	75	10	0.4
	SF5407	800	3	150	1.7	3	5	50	125	-55	175	75	10	0.4
SF5408	1000	3	150	1.7	3	5	50	125	-55	175	75	10	0.4	

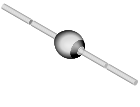
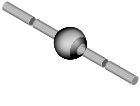
E<sub>R</sub> = Pulse Energie in Avalanche Mode

DESCRIPTION	PART NUMBER	$V_R$ $V_{RRM}$ $V_{RWM}$ [V]	$I_{FAV}$ [A]	$I_{FSM}$ @ $t_p =$ 8,3 ms	$V_F$ 25 °C [V]	@ $I_F$ [A]	$I_R$ @ $T_j$ 25 °C [μA]	$I_R$ HIGH TEMP. [μA]	@ $T_j$ [°C]	$T_{j, T_{STG}}$ min [°C]	$T_{j, T_{STG}}$ max [°C]	$t_{rr}$ max [ns]
<b>DO-204AP(G-1) Package Ultra-Fast Sinterglass Diodes (<math>t_{rr} &lt; 100</math> ns) Leaded - Glass</b>  	FE1A	50	1	30	0.95	1	2	50	100	-55	175	35
	FE1B	100	1	30	0.95	1	2	50	100	-55	175	35
	FE1C	150	1	30	0.95	1	2	50	100	-55	175	35
	FE1D	200	1	30	0.95	1	2	50	100	-55	175	35
	FE2A	50	2	50	0.95	2	2	50	100	-55	175	35
	FE2B	100	2	50	0.95	2	2	50	100	-55	175	35
	FE2C	150	2	50	0.95	2	2	50	100	-55	175	35
	FE2D	200	2	50	0.95	2	2	50	100	-55	175	35
	GI1001	50	1	30	0.975	1	2	50	100	-55	175	25
	GI1002	100	1	30	0.975	1	2	50	100	-55	175	25
	GI1003	150	1	30	0.975	1	2	50	100	-55	175	25
	GI1004	200	1	30	0.975	1	2	50	100	-55	175	25
<b>G-4 Package Ultra-Fast Sinterglass Diodes (<math>t_{rr} &lt; 100</math> ns) Leaded - Glass Passivated</b>  	FE3A	50	3	125	0.95	3	5	50	100	-55	175	35
	FE3B	100	3	125	0.95	3	5	50	100	-55	175	35
	FE3C	150	3	125	0.95	3	5	50	100	-55	175	35
	FE3D	200	3	125	0.95	3	5	50	100	-55	175	35
	FE5A	50	5	135	0.95	5	5	50	100	-55	175	35
	FE5B	100	5	135	0.95	5	5	50	100	-55	175	35
	FE5C	150	5	135	0.95	5	5	50	100	-55	175	35
	FE5D	200	5	135	0.95	5	5	50	100	-55	175	35
	FE6A	50	6	135	0.975	6	5	50	100	-55	175	35
	FE6B	100	6	135	0.975	6	5	50	100	-55	175	35
	FE6C	150	6	135	0.975	6	5	50	100	-55	175	35
	FE6D	200	6	135	0.975	6	5	50	100	-55	175	35




# Sinterglass Diodes

Vishay



DESCRIPTION	PART NUMBER	$V_R$	$I_{FAV}$ [A]	$I_{FSM}$ @ $t_p =$ 10 ms [A]	$V_F$ 25 °C [V]	$I_F$ @ $I_F$ [A]	$I_R$ @ $T_j$ 25 °C [μA]	$I_R$ HIGH TEMP. [μA]	$T_j$ @ $T_j$ [°C]	$T_{j,STG}$ min [°C]	$T_{j,STG}$ max [°C]	$t_{rr}$ max [ns]	$E_R$ [mJ]	$@ I_R$ [A]
		$V_{RRM}$ $V_{RWM}$ [V]												
<b>SOD-57 Package</b> <b>Fast Avalanche</b> <b>Sinterglass Diodes</b> (trr < 500 ns) <b>Leaded - Glass</b> <b>Passivated</b> 	BY203-12S	1200	0.25	20	2.4	0.2	100	-	-55	175	1	300	10	0.4
	BY203-16S	1600	0.25	20	2.4	0.2	100	-	-55	175	1	300	10	0.4
	BY203-20S	2000	0.25	20	2.4	0.2	100	-	-55	175	1	300	10	0.4
	BY268	1400	0.8	20	1.25	0.4	2	15	100	-55	175	400	10	0.4
	BY269	1600	0.8	20	1.25	0.4	2	15	100	-55	175	400	10	0.4
	BYT52A	50	1.4	50	1.3	1	5	150	150	-55	175	200	10	0.4
	BYT52B	100	1.4	50	1.3	1	5	150	150	-55	175	200	10	0.4
	BYT52D	200	1.4	50	1.3	1	5	150	150	-55	175	200	10	0.4
	BYT52G	400	1.4	50	1.3	1	5	150	150	-55	175	200	10	0.4
	BYT52J	600	1.4	50	1.3	1	5	150	150	-55	175	200	10	0.4
	BYT52K	800	1.4	50	1.3	1	5	150	150	-55	175	200	10	0.4
	BYT52M	1000	1.4	50	1.3	1	5	150	150	-55	175	200	10	0.4
	BYT54A	50	1.25	30	1.5	1	5	150	150	-55	175	100	10	0.4
	BYT54B	100	1.25	30	1.5	1	5	150	150	-55	175	100	10	0.4
	BYT54D	200	1.25	30	1.5	1	5	150	150	-55	175	100	10	0.4
	BYT54G	400	1.25	30	1.5	1	5	150	150	-55	175	100	10	0.4
	BYT54J	600	1.25	30	1.5	1	5	150	150	-55	175	100	10	0.4
	BYT54K	800	1.25	30	1.5	1	5	150	150	-55	175	100	10	0.4
	BYT54M	1000	1.25	30	1.5	1	5	150	150	-55	175	100	10	0.4
	BYV12	100	1.5	40	1.5	1	5	150	150	-55	175	300	10	0.4
	BYV13	400	1.5	40	1.5	1	5	150	150	-55	175	300	10	0.4
	BYV14	600	1.5	40	1.5	1	5	150	150	-55	175	300	10	0.4
	BYV15	800	1.5	40	1.5	1	5	150	150	-55	175	300	10	0.4
	BYV16	1000	1.5	40	1.5	1	5	150	150	-55	175	300	10	0.4
	BYV37	800	2	50	1.1	1	5	150	150	-55	175	300	10	0.4
	BYV38	1000	2	50	1.1	1	5	150	150	-55	175	300	10	0.4
	BYW32	200	2	50	1.1	1	5	150	150	-55	175	200	10	0.4
	BYW33	300	2	50	1.1	1	5	150	150	-55	175	200	10	0.4
BYW34	400	2	50	1.1	1	5	150	150	-55	175	200	10	0.4	
BYW35	500	2	50	1.1	1	5	150	150	-55	175	200	10	0.4	
BYW36	600	2	50	1.1	1	5	150	150	-55	175	200	10	0.4	
<b>SOD-64 Package</b> <b>Fast Avalanche</b> <b>Sinterglass Diodes</b> (trr < 500 ns) <b>Leaded - Glass</b> <b>Passivated</b> 	1N5417	200	3	100	1.1	3	1	20	100	-55	175	100	20	1
	1N5418	400	3	100	1.1	3	1	20	100	-55	175	100	20	1
	BYW172D	200	3	100	1.1	3	1	20	100	-55	175	100	20	1
	BYW172F	300	3	100	1.1	3	1	20	100	-55	175	100	20	1
	BYW172G	400	3	100	1.1	3	1	20	100	-55	175	100	20	1
	BYM36A	200	3	65	1.6	3	5	100	150	-55	175	100	20	1
	BYM36B	400	3	65	1.6	3	5	100	150	-55	175	100	20	1
	BYM36C	600	3	65	1.6	3	5	100	150	-55	175	100	20	1
	BYM36D	800	2.9	65	1.78	3	5	100	150	-55	175	150	20	1
	BYM36E	1000	2.9	65	1.78	3	5	100	150	-55	175	150	20	1
	BYT56A	50	3	80	1.4	3	5	150	150	-55	175	100	10	0.4
	BYT56B	100	3	80	1.4	3	5	150	150	-55	175	100	10	0.4
	BYT56D	200	3	80	1.4	3	5	150	150	-55	175	100	10	0.4
	BYT56G	400	3	80	1.4	3	5	150	150	-55	175	100	10	0.4
	BYT56J	600	3	80	1.4	3	5	150	150	-55	175	100	10	0.4
	BYT56K	800	3	80	1.4	3	5	150	150	-55	175	100	10	0.4
	BYT56M	1000	3	80	1.4	3	5	150	150	-55	175	100	10	0.4
	BYT77	800	3	100	1.2	3	5	150	150	-55	175	250	10	0.4
	BYT78	1000	3	100	1.2	3	5	150	150	-55	175	250	10	0.4
	BYW72	200	3	100	1.1	3	5	150	150	-55	175	200	10	0.4
	BYW73	300	3	100	1.1	3	5	150	150	-55	175	200	10	0.4
	BYW74	400	3	100	1.1	3	5	150	150	-55	175	200	10	0.4
BYW75	500	3	100	1.1	3	5	150	150	-55	175	200	10	0.4	
BYW76	600	3	100	1.1	3	5	150	150	-55	175	200	10	0.4	

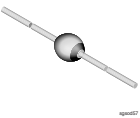
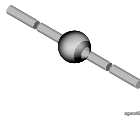
$E_R$  = Pulse Energie in Avalanche Mode  
 (1)  $T_j = 150\text{ °C}$

DESCRIPTION	PART NUMBER	$V_R$ $V_{RRM}$ $V_{RWM}$ [V]	$I_{FAV}$ [A]	$I_{FSM}$ @ $t_p = 8,3$ ms [A]	$V_F$ 25 °C [V]	@ $I_F$ [A]	$I_R$ @ $T_j$ 25 °C [ $\mu$ A]	$I_R$ HIGH TEMP. [ $\mu$ A]	$T_j$ , $T_{STG}$ max [°C]	$t_{rr}$ max [ns]
<b>DO-204AP(G-1) Package</b> <b>Fast Sinterglass Diodes (trr &lt; 500 ns)</b> <b>Leaded - Glass Passivated</b> 	RG1A	50	1	30	1.3	1	2	-	175	150
	RG1B	100	1	30	1.3	1	2	-	175	150
	RG1D	200	1	30	1.3	1	2	-	175	150
	RG1G	400	1	30	1.3	1	2	-	175	150
	RG1J	600	1	30	1.3	1	2	-	175	200
	RG1K	800	1	30	1.3	1	2	-	175	250
	RG1M	1000	1	30	1.3	1	2	-	175	500
<b>G-3 Package</b> <b>Fast Sinterglass Diodes (trr &lt; 500 ns)</b> <b>Leaded - Glass Passivated</b> 	RG3A	50	3	100	1.3	3	5	-	175	150
	RG3B	100	3	100	1.3	3	5	-	175	150
	RG3D	200	3	100	1.3	3	5	-	175	150
	RG3G	400	3	100	1.3	3	5	-	175	150
	RG3J	600	3	100	1.3	3	5	-	175	250
	RG3K	800	3	100	1.3	3	5	-	175	400
	RG3M	1000	3	100	1.3	3	5	-	175	500
<b>G-4 Package</b> <b>Fast Sinterglass Diodes (trr &lt; 500 ns)</b> <b>Leaded - Glass Passivated</b> 	RG4A	50	3	100	1.3	3	5	-	175	150
	RG4B	100	3	100	1.3	3	5	-	175	150
	RG4D	200	3	100	1.3	3	5	-	175	150
	RG4G	400	3	100	1.3	3	5	-	175	150
	RG4J	600	3	100	1.3	3	5	-	175	250

# Sinterglass Diodes

Vishay






DESCRIPTION	PART NUMBER	$V_R$	$I_{FAV}$ [A]	$I_{FSM}$ @ $t_p =$ 10 ms [A]	$V_F$ @ $I_F =$ 25 °C [V]	@ $I_F$ [A]	$I_R$ @ $T_j$ 25 °C [μA]	$I_R$ HIGH TEMP. [μA]	@ $T_j$ [°C]	$T_{j,STG}$ min [°C]	$T_{j,STG}$ max [°C]	$t_{rr}$ max [μs]	$E_R$ [mJ]	@ $I_R$ [A]	$C_D$ @ $V_R =$ 4 V [pF]
		$V_{RRM}$ $V_{RWM}$ [V]													
<b>SOD-57 Package</b> <b>Standard Avalanche</b> <b>Sinterglass Diodes</b> (trr > 500 ns) <b>Leaded - Glass</b> <b>Passivated</b> 	1N5059	200	2	50	1	1	1	100	150	-55	175	4	20	1	18
	1N5060	400	2	50	1	1	1	100	150	-55	175	4	20	1	18
	1N5061	600	2	50	1	1	1	100	150	-55	175	4	20	1	18
	1N5062	800	2	50	1	1	1	100	150	-55	175	4	20	1	18
	BY448	1500	2	30	1.6	3	3	140	140	-55	175)2	2	10	0.4	
	BY458	1200	2	30	1.6	3	3	140	140	-55	175)2	2	10	0.4	
	BY527	800	2	50	1	1	1	10	100	-55	175	4	20	1	
	BYT51A	50	1.5	50	1.1	1	1	100	150	-55	175	4	20	1	
	BYT51B	100	1.5	50	1.1	1	1	100	150	-55	175	4	20	1	
	BYT51D	200	1.5	50	1.1	1	1	100	150	-55	175	4	20	1	
	BYT51G	400	1.5	50	1.1	1	1	100	150	-55	175	4	20	1	
	BYT51J	600	1.5	50	1.1	1	1	100	150	-55	175	4	20	1	
	BYT51K	800	1.5	50	1.1	1	1	100	150	-55	175	4	20	1	
	BYT51M	1000	1.5	50	1.1	1	1	100	150	-55	175	4	20	1	
	BYT62	2400	0.35	10	3	0.2	5	250	175	-55	190)3	5	20	1	
	BYW52	200	2	50	1	1	1	10	100	-55	175	4	20	1	
	BYW53	400	2	50	1	1	1	10	100	-55	175	4	20	1	
	BYW54	600	2	50	1	1	1	10	100	-55	175	4	20	1	
	BYW55	800	2	50	1	1	1	10	100	-55	175	4	20	1	
	BYW56	1000	2	50	1	1	1	10	100	-55	175	4	20	1	
	BYX82	200	2	50	1	1	1	25	100	-55	175	4	-	1	
	BYX83	400	2	50	1	1	1	25	100	-55	175	4	-	1	
	BYX84	600	2	50	1	1	1	25	100	-55	175	4	-	1	
BYX85	800	2	50	1	1	1	25	100	-55	175	4	-	1		
BYX86	1000	2	50	1	1	1	25	100	-55	175	4	-	1		
S330D	1000	2.0	50	1.65	10	5	50	100	-55	175	4	20	1		
<b>SOD-64 Package</b> <b>Standard Avalanche</b> <b>Sinterglass Diodes</b> (trr > 500 ns) <b>Leaded - Glass</b> <b>Passivated</b> 	BY228	1500	3	50	1.5	5	5	140	140	-55	175)2	2	10	0.4	
	BY228-13	1000	3	50	1.5	5	5	140	140	-55	175)2	2	10	0.4	
	BY228-15	1200	3	50	1.5	5	5	140	140	-55	175)2	2	10	0.4	
	BYW82	200	3	100	1	3	1	10	100	-55	175	4	20	1	
	BYW83	400	3	100	1	3	1	10	100	-55	175	4	20	1	
	BYW84	600	3	100	1	3	1	10	100	-55	175	4	20	1	
	BYW85	800	3	100	1	3	1	10	100	-55	175	4	20	1	
	BYW86	1000	3	100	1	3	1	10	100	-55	175	4	20	1	

$E_R$  = Pulse Energie in Avalanche Mode

(2)  $T_j = 140$  °C

(3)  $T_j = 175$  °C

DESCRIPTION	PART NUMBER	V <sub>R</sub> V <sub>RRM</sub> V <sub>RWM</sub> [V]	I <sub>FAV</sub> [A]	I <sub>FSM</sub> @ t <sub>p</sub> = 8,3 ms [A]	V <sub>F</sub> 25 °C [V]	@ I <sub>F</sub> [A]	I <sub>R</sub> @ T <sub>j</sub> 25 °C [μA]	I <sub>R</sub> HIGH TEMP. [μA]	@ T <sub>j</sub> [°C]	T <sub>j</sub> , T <sub>STG</sub> min [°C]	T <sub>j</sub> , T <sub>STG</sub> max [°C]	t <sub>rr</sub> max [μs]
<b>DO-204AP(G-1) Package Standard Sinterglass Diodes (trr &gt; 500 ns) Leaded - Glass Passivated</b> 	CG1	1400	1.5	40	1.1	1	5	100	100	-55	175	15
	DG1	1500	1.5	40	1.1	1	5	100	100	-55	175	20
	CG2	1400	2	40	1.1	2	5	100	100	-55	175	15
	DG2	1500	2	40	1.1	2	5	100	100	-55	175	20
	G1A	50	1	50	1.2	1	2	100	150	-55	175	1.5
	G1B	100	1	50	1.2	1	2	100	150	-55	175	1.5
	G1D	200	1	50	1.1	1	2	100	150	-55	175	1.5
	G1G	400	1	50	1.1	1	2	100	150	-55	175	1.5
	G1J	600	1	50	1.1	1	2	100	150	-55	175	1.5
	G1K	800	1	50	1.1	1	2	100	150	-55	175	1.5
	G1M	1000	1	50	1.1	1	2	100	150	-55	175	1.5
	G2A	50	2	50	1.2	2	1	100	150	-55	175	1.5
	G2B	100	2	50	1.2	2	1	100	150	-55	175	1.5
	G2D	200	2	50	1.1	2	1	100	150	-55	175	1.5
	G2G	400	2	50	1.1	2	1	100	150	-55	175	1.5
G2J	600	2	50	1.1	2	1	100	150	-55	175	1.5	
G2K	800	2	50	1.1	2	1	100	150	-55	175	1.5	
G2M	1000	2	50	1.1	2	1	100	150	-55	175	1.5	
<b>G-3 Package Standard Sinterglass Diodes (trr &gt; 500 ns) Leaded - Glass Passivated</b> 	CG3	1400	3	100	1.2	3	5	100	100	-55	175	15
	DG3	1500	3	100	1.2	3	5	100	100	-55	175	20
	G3A	50	3	125	1.2	3	5	100	150	-55	175	3
	G3B	100	3	125	1.2	3	5	100	150	-55	175	3
	G3D	200	3	125	1.1	3	5	100	150	-55	175	3
	G3G	400	3	125	1.1	3	5	100	150	-55	175	3
	G3J	600	3	125	1.1	3	5	100	150	-55	175	3
	G3K	800	3	125	1.1	3	5	100	150	-55	175	3
	G3M	1000	3	125	1.1	3	5	100	150	-55	175	3
<b>G-4 Package Standard Sinterglass Diodes (trr &gt; 500 ns) Leaded - Glass Passivated</b> 	1N5550	200	3	100	1.2	9	1	25	100	-65	175	2
	1N5551	400	3	100	1.2	9	1	25	100	-65	175	2
	1N5552	600	3	100	1.2	9	1	25	100	-65	175	2
	G4A	50	3	100	1.1	3	1	100	100	-55	175	3
	G4B	100	3	100	1.1	3	1	100	100	-55	175	3
	G4D	200	3	100	1.1	3	1	100	100	-55	175	3
	G4G	400	3	100	1.1	3	1	100	100	-55	175	3
	G4J	600	3	100	1.1	3	1	100	100	-55	175	3