

LOW POWER DIODES — 0.2 to 17.5 A including Controlled Avalanche Types

Germanium Diodes

$I_{F(AV)} 35^{\circ}\text{C}$ 1.0 A		I_{FSM} 7.0 A	Outline 4
Type No.	V_{RRM}	V_{RSM}	
GJ 3M	200	240	
GJ 4M	75	90	
GJ 5M	300	360	
GJ 6M	150	180	

Silicon Diodes

$I_{F(AV)} 25^{\circ}\text{C}$ 0.2 A		I_{FSM} 4.0 A	Outline 1
Type No.	V_{RRM}	V_{RSM}	
MS1	60	60	
MS2	100	100	
MS3	150	150	
MS4	200	200	

$I_{F(AV)} 25^{\circ}\text{C}$ 0.4 A		I_{FSM} 3.0 A	Outline 2
Type No.	V_{RRM}	V_{RSM}	
MS-35H	300	360	
MS-36H	400	480	
MS-37H	500	600	
MS-38H	600	720	

$I_{F(AV)} 30^{\circ}\text{C}$ 0.9 A		I_{FSM} 30 A	Outline 3
Type No.	V_{RRM}	V_{RSM}	
SJ-053F	60	60	
SJ-103F	125	125	
SJ-203F	250	250	
SJ-403F	500	500	
SJ-603F	765	765	
SJ-803F	1015	1015	
SJ-1003F	1270	1270	
SJ-1203F	1400	1400	

$I_{F(AV)} 45^{\circ}\text{C}$ 1.0 A		I_{FSM} 50 A	Outline 5
Type No.	V_{RRM}	V_{RSM}	
F12	200	350	
F14	400	600	
F16	600	800	
F111	1100	1300	
F113	1300	1500	

$I_{F(AV)} 30^{\circ}\text{C}$ 1.25 A		I_{FSM} 15 A	Outline 3
Type No.	V_{RRM}	V_{RSM}	
SJ 054F	60	60	
SJ 104F	125	125	
SJ 204F	250	250	
SJ 404F	500	500	
SJ 604F	765	765	

$I_{F(AV)} 30^{\circ}\text{C}$ 2.5 A		I_{FSM} 100 A	Outline 3
Type No.	V_{RRM}	V_{RSM}	
SL-103F	100	125	
SL-203F	200	250	
SL-403F	400	500	
SL-603F	600	750	
SL-803F	800	1015	
SL-1003F	1000	1270	
SL-1203F	1200	1400	
SL-1403F	1400	1600	

$I_{F(AV)} 45^{\circ}\text{C}$ 3.0 A		I_{FSM} 120 A	Outline 20
Type No.	V_{RRM}	V_{RSM}	
F32	200	350	
F34	400	600	
F36	600	800	
F311	1100	1300	

$I_{F(AV)} 120^{\circ}\text{C}$ 6.0 A	I_{FSM} 130 A	I^2t 85 A²sec	Outline 6
Type No.		V_{RRM}	V_{RSM}
case-cathode	case-anode		
M6-100	M6-100R	100	120
M6-200	M6-200R	200	240
M6-400	M6-400R	400	480
M6-600	M6-600R	600	765
M6-800	M6-800R	800	1015

$I_{F(AV)} 80^{\circ}\text{C}$ 6.0 A		I_{FSM} 120 A	Outline 4
Type No.	V_{RRM}	V_{RSM}	
SL 103M	100	125	
SL 203M	200	250	
SL 403M	400	500	
SL 603M	600	765	
SL 803M	800	1015	
SL 1003M	1000	1270	
SL 1203M	1200	1400	

$I_{F(AV)} 125^{\circ}\text{C}$ 6.0 A	I_{FSM} 130 A	I^2t 85 A²sec	Outline 6
Type No.		V_{RRM}	V_{RSM}
case-cathode	case-anode		
S6-103A	S6-103K	100	120
S6-203A	S6-203K	200	240
S6-403A	S6-403K	400	480
S6-603A	S6-603K	600	765
S6-803A	S6-803K	800	1015
S6-1003A	S6-1003K	1000	1270
S6-1203A	S6-1203K	1200	1400
S6-1403A	S6-1403K	1400	1600

$I_{F(AV)} 130^{\circ}\text{C}$ 14 A	I_{FSM} 200 A	I^2t 200 A²sec	Outline 6
Type No.		V_{RRM}	V_{RSM}
case-cathode	case-anode		
HL-103A	HL-103K	100	120
HL-203A	HL-203K	200	240
HL-403A	HL-403K	400	480
HL-603A	HL-603K	600	765
HL-803A	HL-803K	800	1015
HL-1003A	HL-1003K	1000	1270
HL-1203A	HL-1203K	1200	1400

$I_{F(AV)} 120^{\circ}\text{C}$ 16 A	I_{FSM} 260 A	I^2t 340 A²sec	Outline 6
Type No.		V_{RRM}	V_{RSM}
case-cathode	case-anode		
M16-100	M16-100R	100	120
M16-200	M16-200R	200	240
M16-400	M16-400R	400	480
M16-600	M16-600R	600	765
M16-800	M16-800R	800	1015

$I_{F(AV)} 140^{\circ}\text{C}$ 17 A	I_{FSM} 260 A	I^2t 340 A²sec	Outline 6
Type No.		V_{RRM}	V_{RSM}
case-cathode	case-anode		
HK-103A	HK-103K	100	120
HK-203A	HK-203K	200	240
HK-403A	HK-403K	400	480
HK-603A	HK-603K	600	765
HK-803A	HK-803K	800	1015
HK-1003A	HK-1003K	1000	1270
HK-1203A	HK-1203K	1200	1400

$I_{F(AV)} 85^{\circ}\text{C}$ 17.5 A	I_{FSM} 230 A	I^2t 260 A²sec	Outline 6
Type No.		V_{RRM}	V_{RSM}
case-cathode	case-anode		
SK-103A	SK-103K	100	120
SK-203A	SK-203K	200	240
SK-403A	SK-403K	400	480
SK-603A	SK-603K	600	765
SK-803A	SK-803K	800	1015
SK-1003A	SK-1003K	1000	1270
SK-1203A	SK-1203K	1200	1400
SK-1403A	SK-1403K	1400	1600

Controlled Avalanche Types

$I_{F(AV)} 30^{\circ}\text{C}$ 2.5 A	I_{FSM} 100 A	P_{RSM} 12 kW	Outline 3
Type No.	V_{RWM}	$V_{(AB)R}$ min	$V_{(AB)R}$ max
SLZ-603G	600	800	1800
SLZ-803G	800	1000	1800
SLZ-1003G	1000	1200	1800
SLZ-1203G	1200	1400	1800

$I_{F(AV)} 125^{\circ}\text{C}$ 6.0 A	I_{FSM} 130 A	I^2t 85 A²sec	P_{RSM} 12kW	Outline 6
Type No.		V_{RWM}	$V_{(AB)R}$ min	$V_{(AB)R}$ max
case-cathode	case-anode			
S6Z-603A	S6Z-603K	600	800	1800
S6Z-803A	S6Z-803K	800	1000	1800
S6Z-1003A	S6Z-1003K	1000	1200	1800
S6Z-1203A	S6Z-1203K	1200	1400	1800

$I_{F(AV)} 85^{\circ}\text{C}$ 14 A	I_{FSM} 150 A	I^2t 110 A²sec	P_{RSM} 12 kW	Outline 6
Type No.		V_{RWM}	$V_{(AB)R}$ min	$V_{(AB)R}$ max
case-cathode	case-anode			
SLZ-603A	SLZ-603K	600	800	1800
SLZ-803A	SLZ-803K	800	1000	1800
SLZ-1003A	SLZ-1003K	1000	1200	1800
SLZ-1203A	SLZ-1203K	1200	1400	1800

