

Diodes

Fast Switching Rectifiers

LL4148	V _{rm} =100V; I _{fsm} =500mA	MiniMELF(SOD-80)
1N4148B/P(T/R)(T/B)	V _r =100V; I _{fm} =0.5A	DO-41

General Purpose Rectifiers

LL4001-4007 NEW	V _{rm} =50-1000V; I _{fsm} =1.0A	MELF
1N4001-4007(B/P)(T/R)(T/B)	V _r =50-1000V; I _{fm} =1.0A	DO-41
1A7	V _r =1200V; I _{fm} =1.0A	DO-41
EM516	V _r =1800V; I _{fm} =1.0A	DO-41
1N5391-1N5399	V _r =50-1000V; I _{fm} =1.5A	DO15
RL-201-207	V _r =50-1000V; I _{fm} =2.0A	DO-15
1N5400-5408	V _r =50-1000V; I _{fm} =3.0A	DO-201AD
HVP320	V _r =2000V; I _{fm} =3.0A	DO-210AD
BY550-1000	V _r =50-1000V; I _{fm} =5.0A	DO-210AD
6A1-6A10	V _r =50-1000V; I _{fm} =6.0A	R-6
P600A-P600M	V _r =50-1000V; I _{fm} =6.0A	R-6
GS1A-GS1M	V _r =50-1000V; I _{fm} =0.1A	SMA
SN1A-SN1M	V _r =50-1000V; I _{fm} =0.1A	SMA
SM4001-SM4007	V _r =50-1000V; I _{fm} =0.1A	SMA

Fast Recovery Rectifier

FR101-FR107	V _r =50-1000V; I _{fm} =1.0A; T _{rr} =150/500nS	DO-41
1N4931-1N4937	V _r =50-1000V; I _{fm} =1.0A; T _{rr} =150/500nS	DO-41
1N4941-1N4946	V _r =50-1000V; I _{fm} =1.0A; T _{rr} =150/500nS	DO-41
BA151-BA159	V _r =50-1000V; I _{fm} =1.0A; T _{rr} =150/500nS	DO-41
FR151-FR157	V _r =50-1000V; I _{fm} =2.0A; T _{rr} =150/500nS	DO-15
BY291-BY299	V _r =50-1000V; I _{fm} =2.0A; T _{rr} =150/500nS	DO-15
FR201-FR207	V _r =50-100V; I _{fm} =2.0A; T _{rr} =150/500nS	DO-15
BY391-BY399S	V _r =50-1000V; I _{fm} =3.0; T _{rr} =150/500nS	DO-201AD
FR301-FR307	V _r =50-1000V; I _{fm} =3.0A; T _{rr} =150/500nS	DO-201AD
FR601-FR607	V _r =50-1000V; I _{fm} =6.0A; T _{rr} =150/500nS	P600
SR1A-SR1M(FM101-107)	V _r =50-1000V; I _{fm} =1.0A; T _{rr} =150/500nS	SMA
SM4931-SM4937	V _r =50-1000V; I _{fm} =1.0A; T _{rr} =150/500nS	SMA
SR21-SR29	V _r =50-1000V; I _{fm} =2.0A; T _{rr} =150/500nS	SMA

High Efficiency Rectifier

HER101-HER108	V _r =50-1000V; I _{fm} =1.0A; T _{rr} =50/70nS	DO-41
HER201-HER208	V _r =50-1000V; I _{fm} =2.0A; T _{rr} =50/70nS	DO-15
HER301-HER308	V _r =50-1000V; I _{fm} =3.0A; T _{rr} =50/70nS	DO-201AD
SE1A-SE1M	V _r =50-1000V; I _{fm} =1.0A; T _{rr} =50/70nS	SMA

Super Fast Rectifier

SF101-SF108	V _r =50-1000V; I _{fm} =1.0A; T _{rr} =35nS	DO-41
SF201-SF208	V _r =50-1000V; I _{fm} =2.0A; T _{rr} =35nS	DO-15
SF301-SF308	V _r =50-1000V; I _{fm} =3.0A; T _{rr} =35nS	DO-201ad
UF301-UF308	V _r =50-1000V; I _{fm} =3.0A; T _{rr} =50nS	DO-201ad
SS1A-SS1M	V _r =50-1000V; I _{fm} =1.0A; T _{rr} =35nS	SMA

Photoflash Rectifier

PR1000-PR1800	Vr=1800v; Ifm=1.0a; Trr=300nS	DO-201
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Bi-Directional Trigger-Diacs

DB-3 (28-32-38v) (200ma)	Tree-layer, two terminal, axial diacs are designed for triggering thyristors	DO-35
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Electronic Lamp Ballast Rectifiers

BHT18	Vr=1100V; Ifm=1.0A; Trr=30nS	DO-41
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Zener Diodes

BZX55 C0V8-200	Ptot=0.5W	DO-35
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BZV85 C2V7-200	Ptot=0.1W	DO-41
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Zener Diodes SMD

BZV55 C2V7-100 (ZMM...)	Ptot=0.5W; Vznom=2.7-100V	MINIMELF(SOD-80)
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ZMY 2V7-100	Ptot=1.0W; Vznom=2.7~100V	MELF
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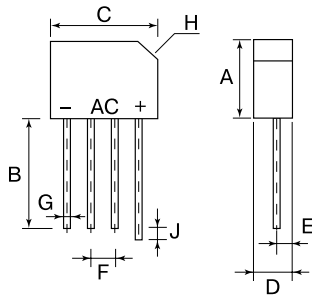
General Purpose Bridges

U05J4B48	Vrrm=600V; If=0.5A	SMD
DB101-107	Vrrm=50-1000V; If=1.0A	DB-1
DF1S-DF10S	Vrrm=50-1000V; If=1.0A	DF(SMD)
WL1-WL10	Vrrm=50-1000V; If=1.0A	WOB
RB151-RB157	Vrrm=50-1000V; If=1.5A	RB-15
2W1-2W10	Vrrm=50-1000V; If=2.0A	WOB
KBP201-210(RS201-207)	Vrrm=50-1000V; If=2.0A	RS-2
BR301-310(KBP101-110)	Vrrm=50-1000V; If=3.0A	BR-3
RS401-407(KBL401-410)	Vrrm=50-1000V; If=4.0A	RS-4
RS501-507(KBU501-510)	Vrrm=50-1000V; If=5.0A	RS-5
RS601-607(KBU601-610)	Vrrm=50-1000V; If=6.0A	RS-6
RS801-807(KBU801-810)	Vrrm=50-1000V; If=8.0A	RS-6
BR601-610	Vrrm=50-1000V; If=6.0A	BR-6
BR801-810	Vrrm=50-1000V; If=8.0A	BR-6
BR1001-1010	Vrrm=50-1000V; If=10.0A	BR-10
KBPC1502-1510	Vrrm=50-1000V; If=15.0A	KBPC15
KBPC2502-2510	Vrrm=50-1000V; If=25.0A	KBPC15
KBPC3502-3510	Vrrm=50-1000V; If=35.0A	KBPC15
KBPC5002-5010	Vrrm=50-1000V; If=50.0A	KBPC50

Schottky Barrier Rectifier

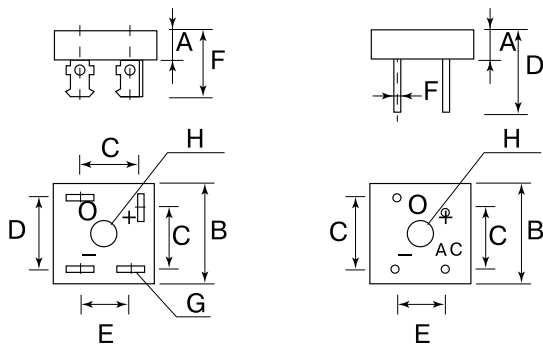
1N5817-5819	Vr=20-40V; Ifm=1.0A	DO-41
SB160-SB1B0	Vr=60-100V; Ifm=1.0A	DO-41
SB220-SB2B0	Vr=20-100V; Ifm=2.0A	DO-15
1N5820 / 1N5822	Vr=20-40V; Ifm=3.0A	DO-201AD
SB320-SB3B0	Vr=20-100V; Ifm=3.0A	DO-201AD
SB520-SB5B0	Vr=20-30V; Ifm=5.0A	DO-201AD
SKN7-SKN9	Vr=20-40V; Ifm=1.0A	SMA
SK12/SK1B	Vr=20/100V; Ifm=1.0A	SMA
SS12-SS16	Vr=20-60V; Ifm=1.0A	SMA

RS-4



	Dimensions (mm)	
	Min	Max
A	15.367	16.383
B	19.0	-
C	18.542	19.558
D	5.97	6.73
E	1.778	
F	4.83	5.33
G	1.22	1.32
H	0.156X45°	
J	5.08	

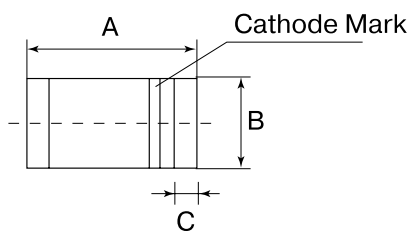
KBPC



	Dimensions (mm)	
	Min	Max
A	10.97	11.23
B	28.4	28.7
C	15.5	17.6
D	17.1	19.1
E	13	15
F	-	25.4
H	5.08	

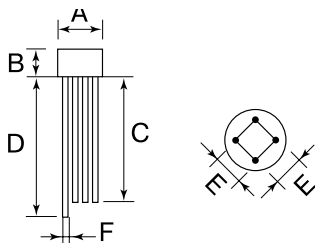
	Dimensions (mm)	
	Min	Max
A	10.97	11.23
B	28.4	28.7
C	10.4	12.4
D	30.5	-
E	17.1	19.1
F	1.0	
G	17.1	19.1
H	5.08	

MinIMELF



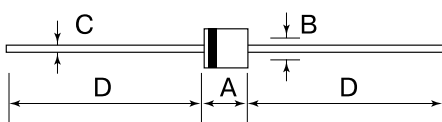
	Dimensions (mm)	
	Min	Max
A	3.4	3.6
B	1.4	1.5
C	0.2	0.4

WOB



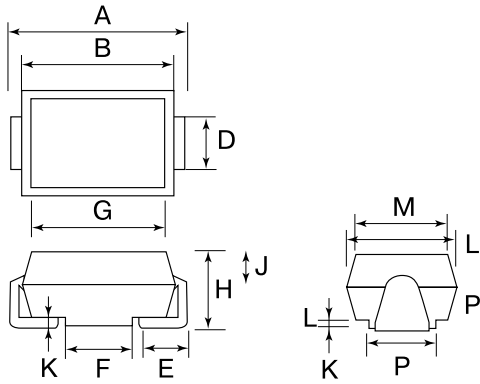
	Dimensions (mm)	
	Min	Max
A	10.97	11.23
B	28.4	28.7
C	10.4	12.4
D	30.5	-
E	17.1	19.1
F	1.0	

R-6



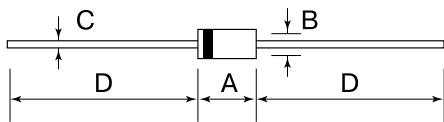
	Dimensions (mm)	
	Min	Max
A	8.60	9.10
B	8.60	9.10
C	1.20	1.30
D	25.40	-

SMA



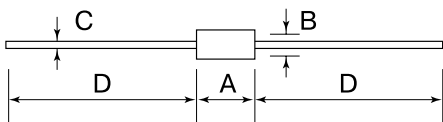
	Dimensions (mm)	
	Min	Max
A	5.48	5.74
B	4.48	4.63
C	2.40	2.55
D	4.33	4.48
E	1.0	1.40
F	2.03	2.07
G	1.72	2.10
H	2.85	3.00
J	1.44	-
K	-	0.45
L	0.40	-
M	2.77	2.93
N	2.67	2.73
P	2.0	2.05

DO-15



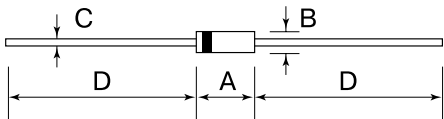
	Dimensions (mm)	
	Min	Max
A	5.80	7.60
B	2.60	3.60
C	0.71	0.86
D	25.40	-

DO-35



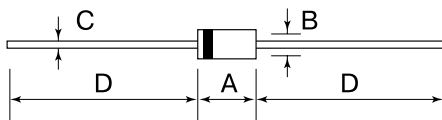
	Dimensions (mm)	
	Min	Max
A	-	3.90
B	-	1.90
C	-	0.52
D	27.50	-

DO-41



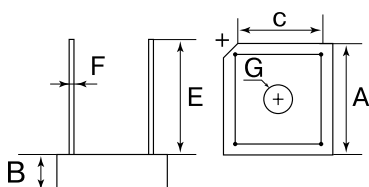
	Dimensions (mm)	
	Min	Max
A	4.20	5.20
B	2.00	2.70
C	0.71	0.86
D	25.40	-

DO-201AD



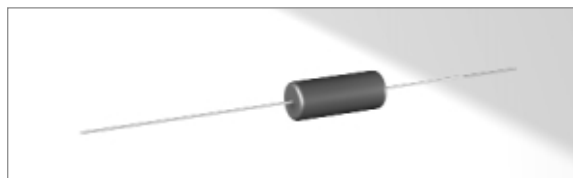
	Dimensions (mm)	
	Min	Max
A	7.20	9.50
B	4.80	5.30
C	1.20	1.30
D	25.40	-

BR-6



	Dimensions (mm)	
	Min	Max
A	14.69	15.71
B	5.84	6.86
C	10.29	11.31
E	19.1	-
F	0.97	1.07
G	Hole for № 8 Screw 0.193	

High Voltage, Low Current Silicon Rectifier Diodes 2CL70 – 2CL77

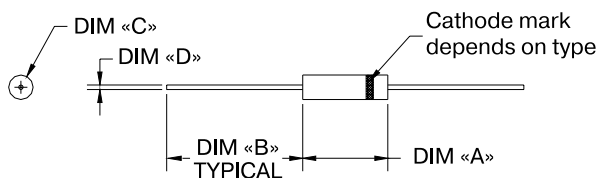


Edit type #	2CL69	2CL70	2CL71	2CL72	2CL73	2CL74	2CL75	2CL76	2CL77
PRV Volys	4,000	6,000	8,000	10,000	12,000	14,000	16,000	18,000	20,000
Forward Voltage Drop at 25°C & 10mA	20.0V	23.0V	25.0V	30.0V	37.5V	42.5V	50.0V	55.0V	62.5V

Electrical Characteristic (at $T_{Air} = 25^\circ C$ Unless Otherwise Specified)

Average Maximum Forward Current I_F Max @ $T_{Air} = 30^\circ C$	5.0 mA
Max Surge Current (1 Cycle)	0.5 A
Max DC Reverse Current (25°C)	2.0 μA
Max DC Reverse Current (100°C)	5.0 μA
Reverse Recovery Time	100 nano Sec.
Max Virtual Junction Capacitance, C_j @ $V_r = 0$ (f=1Mhz.)	1.0 pico farads

Notes: It is recommended that a proper heat sink be used on the terminals of this device between the body and the soldering point to prevent damage from excess heat.



TYPE #	DIM "A"	DIM "B"	DIM "C"	DIM "D"
2CL69-71	0.31 IN (8,0 mm)	1.02 IN (26.0 mm)	0.12 IN (3.0 mm)	0.024 IN (0.6 mm)
2CL72-74	0.39 IN (10.0 mm)			
2CL75-77	0,47 IN (20.0 mm)			

Product name	Type	Main electrical parameters			Corresponding type	
		V RRM/kv	I F(AV)/mA	T rr/us	FUJI	SANKEN
EPOXY MOLDED HIGH VOLTAGE SILICON DIODES	2CL70	6	5	≤ 0.1	ESJA54-06	SHV-06
					ESJA58-06	SHV-06NK
	2CL71	8			ESJA54-08	SHV-08
					ESJA58-08	SHV-08NK
	2CL72	10			ESJA52-12	SHV-10
					ESJA-52-12	SHV-12
	2CL73	12			ESJA52-14	SHV-14
			ESJA53-16	SHV-16		
	2CL74	14	ESJA53-18			
			ESJA53-20	SHV-20		
	2CL75	16	ESJA56-20			
			ESJA88-06	SHV-06UNK		
	2CL76	18	ESJA88-08	SHV-08K		
			ESJA82-10	SHV-10UK		
	2CL77	20	ESJA82-12	SHV-12UK		
			ESJA82-14			
			ESJA83-16	SHV-16UK		
		ESJA83-18				
		ESJA83-20				
		ESJA98-06				
		ESJA98-08				
		ESJA92-10				
		ESJA92-12				
GLASS PASSIVATE DHIGH VOLTAGE SILICON DIODES	2CL23	8	5	≤ 0.1	ESJA25-08	
					ESJA25-10	
	2CL24	10			ESJA25-12	
					ESJA25-14	
	2CL25	12			ESJA25-16	
					ESJA25-20	