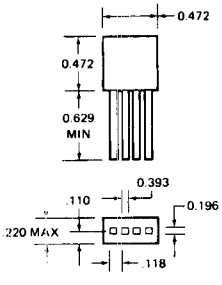
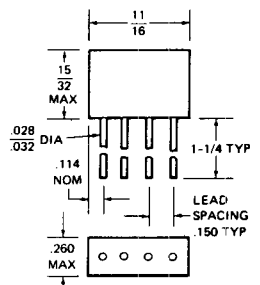
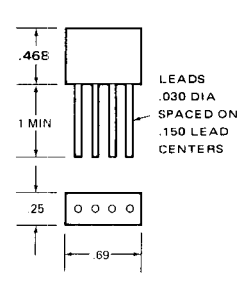


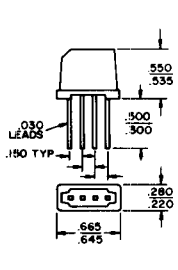
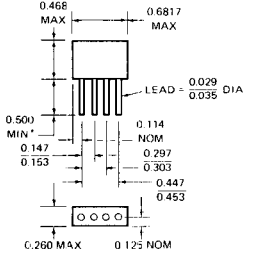
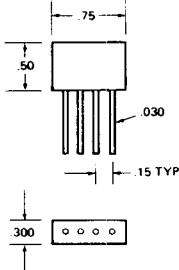
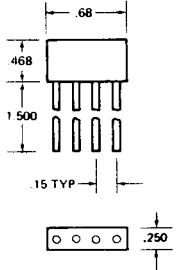
## 1.5 AMPERE SINGLE-PHASE SILICON BRIDGE

### RATINGS AND ELECTRICAL CHARACTERISTICS

GENERAL INSTRUMENT	KBD005	KBD02	KBD04	KBD06	KBD08	KBD10	Units	
Max Recurrent Peak Reverse Voltage	50	200	400	600	800	1000	V	
Max RMS Bridge Input Voltage	35	140	280	420	560	700	V	
Max DC Blocking Voltage	50	200	400	600	800	1000	V	
Max Average Rectified Output at 25°C							1.5	A
Peak One Cycle Surge Overload Current							50.0	A
I <sup>2</sup> t Rating for fusing (t < .00835)							5.0	A <sup>2</sup> s
Max Forward Voltage Drop per Bridge Element at 1.0ADC							1.0	V
Max Reverse Leakage at 25°C							10.0	μA
Rated DC Blocking Voltage and 100°C							1.0	mA
Operating Temperature Range							-55 to +125	°C
Storage Temperature Range							-55 to +150	°C

### CROSS-REFERENCE TABLE

VOLTS		 INT. RECTIFIER	 S.C.I.	 DIODES INC.	VOLTS
50	KBD005	10DB05P	FB05		50
100	KBD02	10DB1P	FB100	BR81D	100
200	KBD02	10DB2P	FB200	BR82D	200
400	KBD04	10DB4P	FB400	BR84D	400
600	KBD06	10DB6P	FB600	BR86D	600
800	KBD08	10DB8P	FB800	BR88D	800
1000	KBD10		FB1000		1000

VOLTS	 MOTOROLA	 MOTOROLA	 SOLITRON	 SEMICON	VOLTS
50	MDA100	MDA942A-1	F903B-10/20	SBR05/FW-50	50
100	MDA101	MDA942A-2	F903B-11/21	SBR12/FW-100	100
200	MDA102	MDA942A-3	F903B-12/22	SBR22/FW-200	200
400	MDA104	MDA942A-5	F903B-14/24	SBR42/FW-400	400
600	MDA106	MDA942A-6	F903B-16/26	SBR62/FW-600	600
800	MDA108	MDA942A-7	F903B-18/28	SBR82/FW-800	800
1000	MDA110		F903B-100/200	SBR102/FW-1000	1000

# KBP SERIES

## 1.5 AMPERE SINGLE-PHASE SILICON BRIDGE

### RATINGS AND ELECTRICAL CHARACTERISTICS

GENERAL INSTRUMENT	KBP005	KBP02	KBP04	KBP06	KBP08	KBP10	Units
Max Recurrent Peak Reverse Voltage	50	200	400	600	800	1000	V
Max RMS Bridge Input Voltage	35	140	280	420	560	700	V
Max DC Blocking Voltage	50	200	400	600	800	1000	V
Max Average Rectified Output at 25°C	1.5						A
Peak One Cycle Surge Overload Current	50.0						A
I <sup>2</sup> t Rating for fusing (t < .00835)	5.0						A <sup>2</sup> s
Max Forward Voltage Drop per Bridge Element at 1.0ADC	1.0						V
Max Reverse Leakage at 25°C	10.0						μA
Rated DC Blocking Voltage and 100°C	1.0						mA
Operating Temperature Range	-55 to +125						°C
Storage Temperature Range	-55 to +150						°C

### CROSS-REFERENCE TABLE

VOLTS		INT. RECTIFIER	S.C.I.	DIODES INC.	VOLTS
50	KBP005	10DB05P	FB05		50
100	KBP02	10DB1P	FB100	BR81D	100
200	KBP02	10DB2P	FB200	BR82D	200
400	KBP04	10DB4P	FB400	BR84D	400
600	KBP06	10DB6P	FB600	BR86D	600
800	KBP08	10DB8P	FB800	BR88D	800
1000	KBP10		FB1000		1000

VOLTS	MOTOROLA	MOTOROLA	SOLITRON	SEMICON	VOLTS
50	MDA100	MDA942A-1	F903B-10/20	SBR05/FW-50	50
100	MDA101	MDA942A-2	F903B-11/21	SBR12/FW-100	100
200	MDA102	MDA942A-3	F903B-12/22	SBR22/FW-200	200
400	MDA104	MDA942A-5	F903B-14/24	SBR42/FW-400	400
600	MDA106	MDA942A-6	F903B-16/26	SBR62/FW-600	600
800	MDA108	MDA942A-7	F903B-18/28	SBR82/FW-800	800
1000	MDA110		F903B-100/200	SBR102/FW-1000	1000