

SINGLE PHASE FULL WAVE BRIDGES

T-23-07

ABSOLUTE MAXIMUM RATINGS (@25°C UNLESS OTHERWISE SPECIFIED)

Device Type	Reverse Voltage	Average Forward Current						Repetitive Surge Current	1 Cycle Surge Current tp=8.3ms	Reverse Recovery (3)	Forward Voltage		Reverse Current		Thermal Impedance	Case Outline							
		(1)			(2)						(3)												
		V _{RWM}			I _F (AV) @ T _c						I _F (AV) @ T _A			I _{FRM}			I _{FSM}	T _{rr}	V _F	ϕI _F	I _R	I _R	θ _{Jc}
					55°C	100°C	125°C				25°C	55°C	100°C						@25°C		@25°C	@100°C	
		Volts	Amps	Amps	Amps	Amps	Amps				Amps	Amps	Amps	nS			Volts	Amps	μA	μA	°C/W		

SET061203 ^A	1000	30	22	16	—	—	—	—	150	2000	1.2	—	2	40	—	G52
SET061204 ^A	400	30	22	16	—	—	—	—	150	150	1.5	—	2	40	—	—
SET061211 ^A	150	30	20	14	—	—	—	—	175	30	—	—	—	—	—	—
SET061212 ^A	600	30	22	16	—	—	—	—	150	2000	1.2	—	2	40	—	—
SET061219 ^A	1000	20	16	12	—	—	—	—	150	150	1.2	—	2	40	—	—
SET061223	500	20	16	12	—	—	—	—	150	50	1.6	—	20	1000	—	G52
SET121203 ^A	1000	30	22	16	—	—	—	—	150	2000	1.2	—	2	40	—	G52
SET121204 ^A	400	30	22	16	—	—	—	—	150	150	1.5	—	2	40	—	—
SET121211 ^A	150	30	20	14	—	—	—	—	175	30	—	—	—	—	—	—
SET121212 ^A	600	30	22	16	—	—	—	—	150	2000	1.2	—	2	40	—	—
SET121219 ^A	1000	20	16	12	—	—	—	—	150	150	1.2	—	2	40	—	—
SET121223	500	20	16	12	—	—	—	—	150	50	1.6	—	20	1000	0.75	G72
SCAJ2	200	5.0	3.5	2.5	2.0	1.5	1.1	10	50	2000	1.10	—	—	—	—	—
SCAJ4	400	5.0	3.5	2.5	2.0	1.5	1.1	10	50	2000	1.10	—	—	—	—	—
SCAJ6 ^F	600	5.0	3.5	2.5	2.0	1.5	1.1	10	50	2000	1.10	—	—	—	—	—
SCAJ05F	50	4.5	3.0	2.0	1.5	1.0	0.7	—	25	150	1.20	—	—	—	—	—
SCAJ1F	100	4.5	3.0	2.0	—	1.0	—	—	25	150	—	—	—	—	—	—
SCAJ2F	200	4.5	3.0	2.0	—	1.0	—	—	25	150	—	—	—	—	—	—
SCAJ4F	400	4.5	3.0	2.0	—	1.0	—	—	25	150	—	—	—	—	—	—
SCAJ6F	600	4.5	3.0	2.0	—	1.0	—	—	25	250	—	1.0	—	50	—	—
SCAJ05FF	50	5.0	3.0	2.0	—	1.1	—	13	35	30	—	—	—	—	—	—
SCAJ10FF	100	5.0	3.8	2.9	—	1.1	—	13	35	30	—	1.5	—	100	—	—
SCAJ15FF	150	5.0	3.8	2.9	1.5	1.1	0.7	13	35	30	—	—	—	—	—	G52

NOTES:

Operating and Storage Temperature are -55°C to +150°C unless otherwise indicated.

(A) Operating and Storage Temperature -55°C to +175°C.

(F) Available in Europe to F and FX levels.

(1) Ratings at Case Temperature T_c .(2) Ratings at Ambient Temperature T_A .

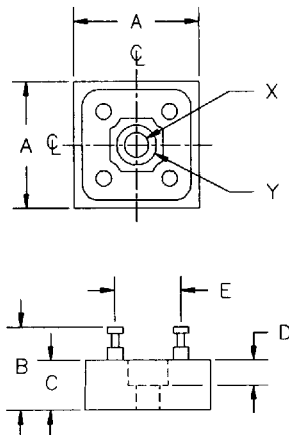
(3) Measured on discrete devices prior to assembly.

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DIMENSIONS						
DIM ⁿ	MM		INCHES		NOTE	
	MIN	MAX	MIN	MAX		
A	18.7	19.4	.735	.765	—	
B	—	12.7	—	.50	—	
C	—	7.6	—	.30	—	
D	3.4	4.2	.135	.165	—	
E	9.6	10.7	.38	.42	—	
X	3.4	4.1	.132	.165	DIA	
Y	5.6	6.4	.22	.25	DIA	

NOTES:

1. TERMINAL IDENTIFICATION MARKED ON CASE

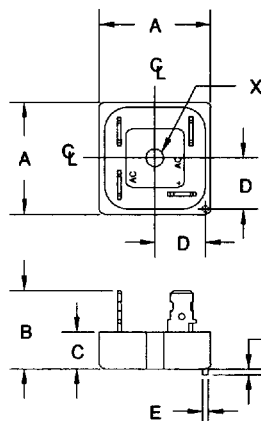


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DIMENSIONS						
DIM "	MM		INCHES		NOTE	
	MIN	MAX	MIN	MAX		
A	28.1	28.6	1.11	1.14	-	
B	-	25.4	-	1.00	-	
C	-	10.6	-	.416	-	
D	12.4	13.0	.49	.51	-	
E	1.3	1.8	.052	.072	DIA	
F	-	1.6	-	.062	-	
X	4.6	5.4	.183	.213	DIA	

NOTES:

1. TERMINALS SUITABLE FOR .25" "FASTON" OR SOLDERING.



G30A

DIMENSIONS						
DIM "	MM		INCHES		NOTE	
	MIN	MAX	MIN	MAX		
A	-	51.6	-	2.03	-	
B	-	26.2	-	1.03	-	
C	-	16.8	-	.66	-	
D	-	30.5	-	1.20	-	
E	37.8	38.4	1.49	1.51	-	
F	6.4	-	.25	-	-	
X	10-32 UNF				-	
Y	3.6	5.1	.14	.20	DIA	

