CENTER TAPS AND DOUBLERS

T-23-07

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

Device Type	Reverse Voltage		Average Forward Current (5) (1)			(2)		Repetitive Surge Current	1 Cycle Surge Current tp=8.3ms	Reverse Recovery (3)	Forward Voltage		Reverse Current		Thermal Impedance	Case Outline
	V_{RWM}	V_{RRM}	I_F (AV) @ T_C			I_F (AV) @ T_A		I_{FRM}	I_{FSM}	T_{rr}	V_F	@I_F	I_R	I_R	θ_{JC}	
			25°C	55°C	100°C	25°C	55°C				@25°C		@25°C	@100°C		
	Volts	Volts	Amps	Amps	Amps	Amps	Amps	Amps	Amps	nS	Volts	Amps	µA	µA	°C/W	

LOW VOLTAGE (1000V)

SET03#03*	1000	1000	—	30	22	—	—	—	150	2000	1.2	9	1	20	1.5	G51
SET03##04^	400	400		30	22				150	150	1.5		1	20	1.5	
SET03#11	150	150		30	20				175	30	1.1		10	500	1.5	
SET03##12^	600	600		30	22				150	2000	1.2		1	20	1.5	
SET03#19*	1000	1000		20	16					150	2.2		1	25	1.5	
SET03##23	500	500		20	16	—	—			50	1.60		10	500	1.5	G51
SC*A05	50	50		15	10	5.0	4.0	25		2000	1.00	3	1	20	4.0	G24
SC*A1	100	100				5.0	4.0			2000	1.00					
SC*A2	200	200				5.0	4.0			2000	1.00					
SC*A4	400	400				5.0	4.0			2000	1.00					
SC*A6	600	600				5.0	4.0			2000	1.00					
SC*A05F	50	50				3.0	2.3			150	1.10					
SC*A1F	100	100				3.0	2.3			150	1.10					
SC*A2F	200	200				3.0	2.3			150	1.10					
SC*A4F	400	400				3.0	2.3	25	150	150	1.10	3	1	20		
SC*A05FF	50	50				4.5	3.5	24	175	30	0.97	5	10	500		
SC*A10FF	100	100				4.5	3.5	24	175	30	0.97	5	10	500		
SC*A15FF	150	150				4.5	3.5	24	175	30	0.97	5	10	500	4.0	G24
SC*AR05	50	50	45	35	20	—	—	70	375	2000	1.00	9	3	60	1.5	G25
SC*AR1	100	100														
SC*AR2	200	200														
SC*AR4	400	400														
SC*AR6	600	600														
SC*AR8	800	800														
SC*AR10	1000	1000							375	2000	1.00					
SC*AR05F	50	50	40	31	18				450	150	1.10					
SC*AR1F	100	100								150	1.10					
SC*AR2F	200	200								150	1.10					
SC*AR4F	400	400								150	1.10	9	3	60		
SC*AR05FF	50	50	45	35	20					30	0.97	15	30	1500		
SC*AR10FF	100	100	45	35	20					30	0.97	15	30	1500		
SC*AR15FF	150	150	45	35	20			70	450	30	0.97	15	30	1500	1.5	G25
SC*AS05	50	50	85	70	45			120	900	2000	1.00	18	6	120	0.8	G27A
SC*AS1	100	100								2000	1.00			120		
SC*AS2	200	200								2000	1.00			120		
SC*AS4	400	400								2000	1.00			120		
SC*AS6	600	600								2000	1.00			120		
SC*AS05F	50	50	80	65	42					150	1.10			120		
SC*AS1F	100	100								150	1.10			120		
SC*AS2F	200	200								150	1.10			120		
SC*AS4F	400	400						120		150	1.10	18	6	120		
SC*AS05FF	50	50	85	70	45			135		30	0.97	30	60	3000		
SC*AS10FF	100	100	85	70	45			135		30	0.97	30	60	3000		
SC*AS15FF	150	150	85	70	45			135	900	30	0.97	30	60	3000	0.8	G27A
SCS*M0L	1000	1000	150	110	70	—	—	—	750	2000	1.00	18	6	200	0.5	G26
SCS*F4L	400	400	120	100	65			—	750	150	1.10	18	6	200	0.5	G26
SCS*FF05L	50	50	150	130	85			—	875	30	0.95	30	60	3000	0.5	G26
SCS*FF10L	100	100	150	130	85			—	875	30	0.95	30	60	3000	0.5	G26
SCS*FF15L	150	150	150	130	85	—	—	—	875	30	0.95	30	60	3000	0.5	G26

NOTES:

Operating and Storage Temp. Range = -55°C to +150°C except where shown

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

(1) Ratings at Case Temperature T_C

(2) Ratings at Ambient Temperature T_A

(3) Measured on discrete devices prior to assembly

(4) Rating at Oil Temperature T_O

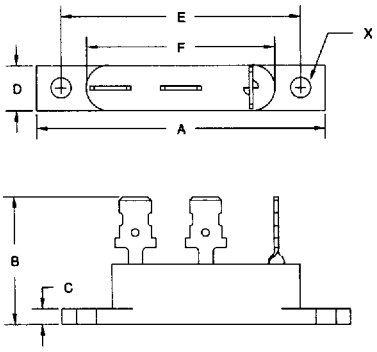
(5) Average Rectified Current = 0.5 x I_F(AV) for Doubler

Add code for configuration: ## = 10 or 08 or 06 ✳ = D for Doubler, N for Negative Center Tap, P for Positive Center Tap

G24

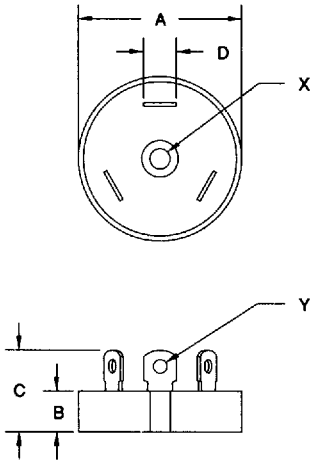
DIM "	DIMENSIONS MM MIN	MM MAX	INCHES MIN	INCHES MAX	NOTE
A	56.4	57.9	2.22	2.28	-
B		25.4	-	1.00	-
C	2.5	3.8	10	15	-
D	8.1	9.6	32	38	-
E	46.7	48.3	1.84	1.90	-
F	36.8	37.8	1.45	1.49	-
X	3.8	4.3	149	171	

NOTES
1 TERMINAL LAYOUT SHOWN FOR DOUBLER CATHODE TERMINALS PERPENDICULAR TO UNIT AXIS
2 TERMINALS SUITABLE FOR .25" 'FASTON' CONNECTORS OR SOLDERING



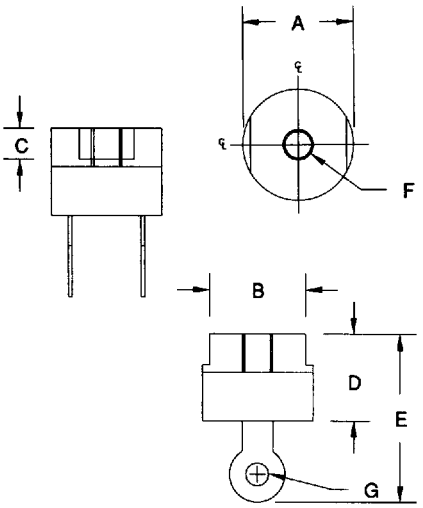
G25

DIM "	DIMENSIONS MM MIN	MM MAX	INCHES MIN	INCHES MAX	NOTE
A	-	51.6	-	2.03	-
B	-	13.5	-	.53	-
C	-	26.2	-	1.03	-
D	8.6	10.2	.34	.40	-
X	5.6	7.1	.22	.28	DIA
Y	3.6	5.1	.14	.20	DIA



G26 T-23-07

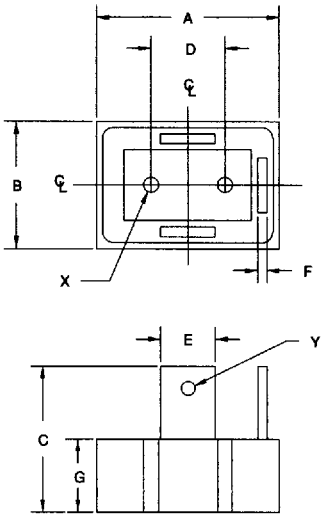
DIM "	DIMENSIONS MM MIN	MM MAX	INCHES MIN	INCHES MAX	NOTE
A	27.7	29.2	1.09	1.15	-
B	-	25.4	-	1.00	-
C	8.1	-	.32	-	-
D	-	23.6	-	.93	-
E	-	44.4	-	1.75	-
F	TAP'D 5/16-18UNC				-
G	5.6	7.1	.22	.28	-



G27A

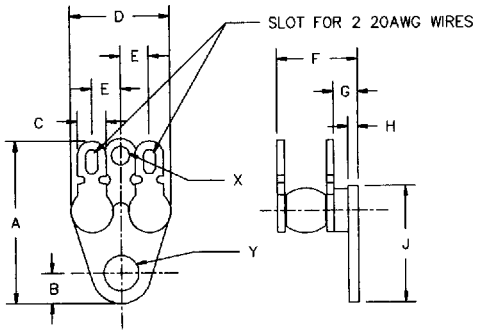
DIM "	DIMENSIONS MM MIN	MM MAX	INCHES MIN	INCHES MAX	NOTE
A	-	64.3	-	2.53	-
B	-	45.5	-	1.78	-
C	-	51.6	-	2.03	-
D	24.6	26.2	97	1.03	-
E	-	19.8	-	.78	-
F	-	3.31	-	13	-
G	24.6	26.2	.97	1.03	-
X	4.3	5.9	.171	.231	1
Y	4.0	5.5	.159	.219	2

NOTES:
1. TWO PLACES
2. THREE PLACES



G51

DIM "	DIMENSIONS MM MIN	MM MAX	INCHES MIN	INCHES MAX	NOTE
A	—	17.3	—	.68	—
B	2.9	3.4	.115	.135	—
C	3.0	3.3	.12	.13	2 PL
D	10.0	10.4	.39	.41	—
E	2.8	3.0	.11	.12	—
F	—	10.7	—	.42	—
G	2.3	3.0	.09	.12	—
H	1.0	1.3	.04	.05	—
J	11.2	11.9	.44	.47	—
X	1.8	2.0	.072	.077	DIA
Y	3.5	3.8	.139	.149	DIA



NOTES
CONFIGURATION AND POLARITY SHOWN BY COLORED DOTS
POSITIVE CENTER TAP – RED DOT ON POSITIVE TERMINAL
NEGATIVE CENTER TAP – BLACK DOT ON NEGATIVE TERMINAL
DOUBLER – RED, POSITIVE; BLACK, NEGATIVE, YELLOW, AC