ommended for
eaker, straight
23-2L is RoHS

100-8 1A Sensitive SCR

Rev.A.1.1

DESCRIPTION:

The 100-8 SCR provides high dV/dt rate

.3 (ti)-4tiomh romes: o el4tiomh m3.1h a10 (h n0 (h et)2h -4ti)c

MAIN FEATURES

Symbol	Value	Unit
$I_{T(RMS)}$	1	A
V_{DRM} /V_{RRM}	800	V
I_{GT}	”200	A

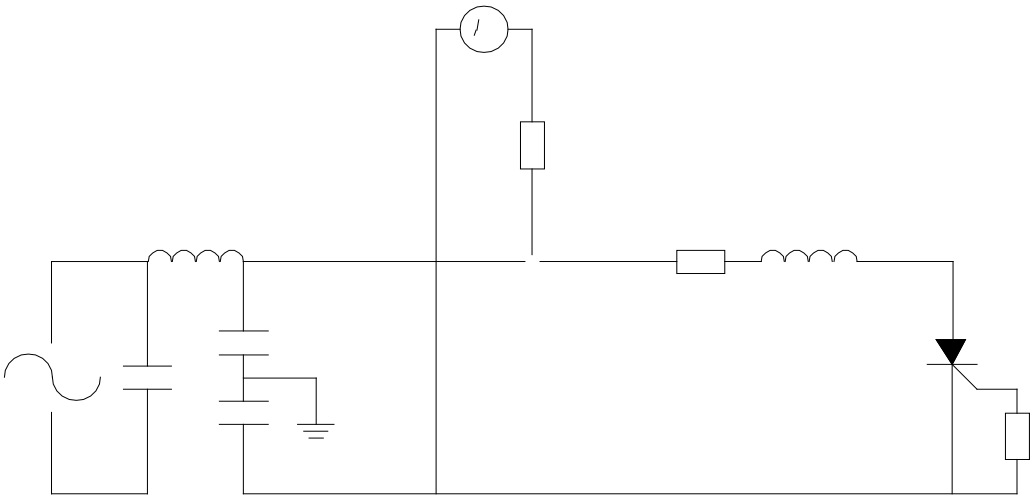
ABSOLUTE MAXIMUM RATINGS

Parameter	Symbol	Value	Unit
Storage junction temperature range	T_{stg}	-40-150	
Operating junction temperature range	T_j	-40-125 [7]	
Repetitive peak off-state voltage (T_j=25)	V_{DRM}	800	V
Repetitive peak reverse voltage (T_j=25)	V_{RRM}	800	V
Average on-state current (T_C 0 90)	$I_{T(AV)}$	0.6	A
RMS on-state current (T_C 090)	$I_{T(RMS)}$	[redacted]	
Non repetitive surge peak on-state current (t_p=10ms , T_j=25)	[redacted]	[redacted]	A
Non repetitive surge peak on-state current (t_p=8.3ms , T_j=25)		13	

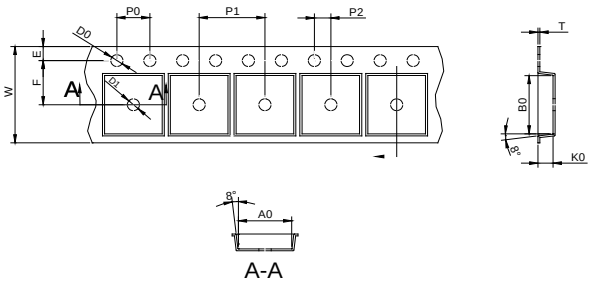
FIG.5: On-state characteristics

FIG.6: Non-repetitive surge peak on-state current for a sinusoidal pulse with width t_p<10ms, and corresponding value of I^2t (dI/dt<10 $ V

FIG.8 ÖTest circuit for inductive and resistive loads to IEC-61000-4-5 standards.



DELIVERY MODE



Ref.	Dimensions					
	Millimeters			Inches		
	Min.	Typ.	Max.	Min.	Typ.	Max.
W	-		12.30	-		0.482
E	1.65	1.75	1.85	0.065	0.069	0.073
F	5.45	5.50	5.55	0.215	0.217	0.219
D0		1.55	1.60		0.061	0.063
D1		-	-			
P0	3.90	4.00	4.10	0.154	0.157	0.161
P1	7.90	8.00	8.10	0.311	0.315	0.319
P2	1.95	2.00	2.05	0.077	0.079	0.081
10P0	39.80	40.00	40.20	1.567	1.575	1.583
A0	6.85	6.95	7.05	0.269	0.273	0.276
B0	7.15	7.25	7.35	0.280	0.284	0.288
K0	1.95	2.05	2.15	0.076	0.080	0.084
T	0.20	0.25	0.30	0.008	0.010	0.012

