TO-92 Triac in a TO-92 Plastic Package.

Sensitive Gate Triggering in Four Trigger Modes fo

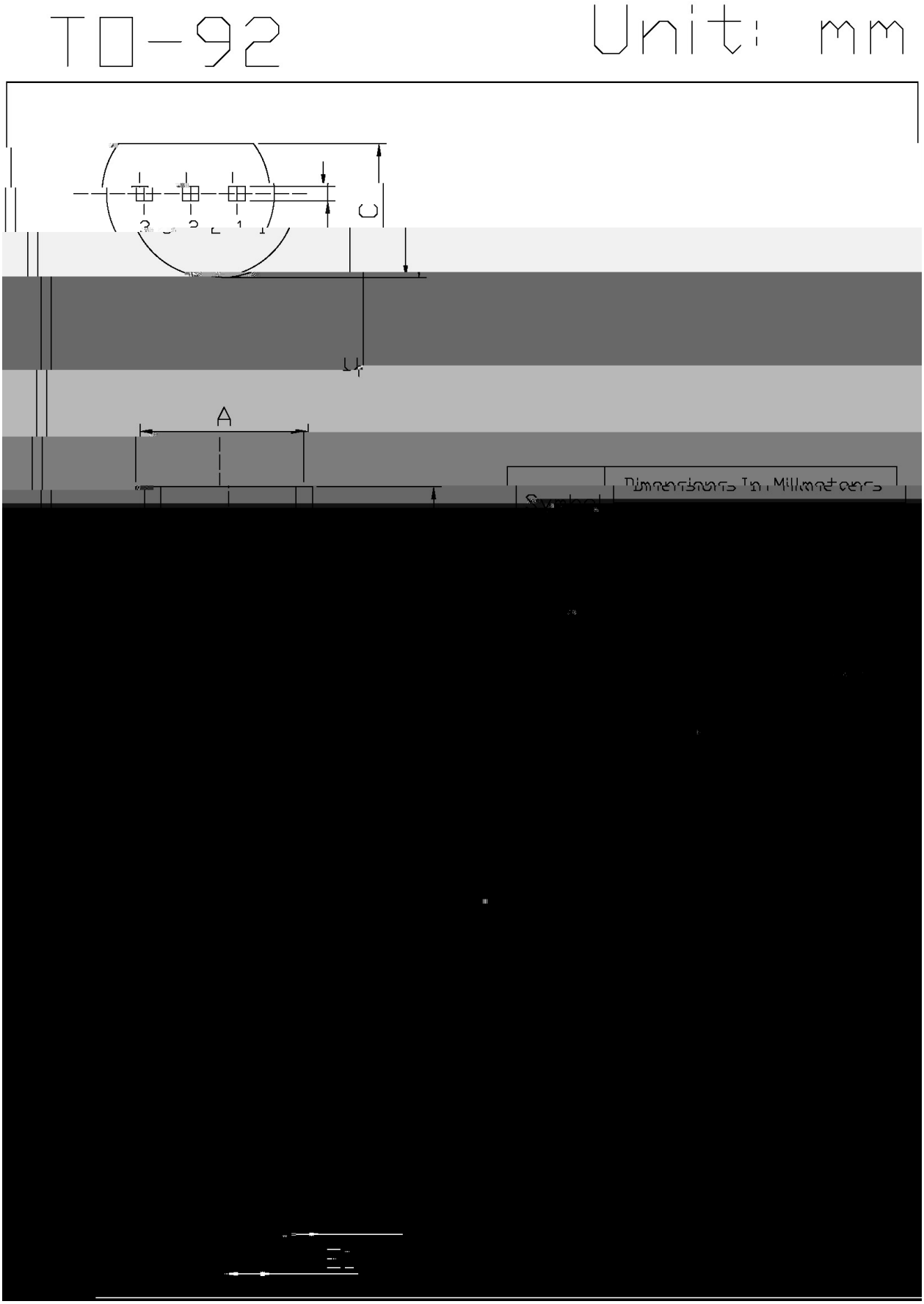
Parameter	Symbol	Rating	Unit
Repetitive peak off-state voltages	V_{DRM}	400	V
RMS on-state current	$I_{T(RMS)}$	0.6	A
Non-repetitive peak on-state current	$I_{TSM(t=20ms)}$	8.0	A
Non-repetitive peak on-state current	$I_{TSM(t=16.7ms)}$	8.8	A
I^2t for fusing	$I^2t_{(t=10ms)}$	0.32	A^2S

94 Tm1 Tc(S)TiE

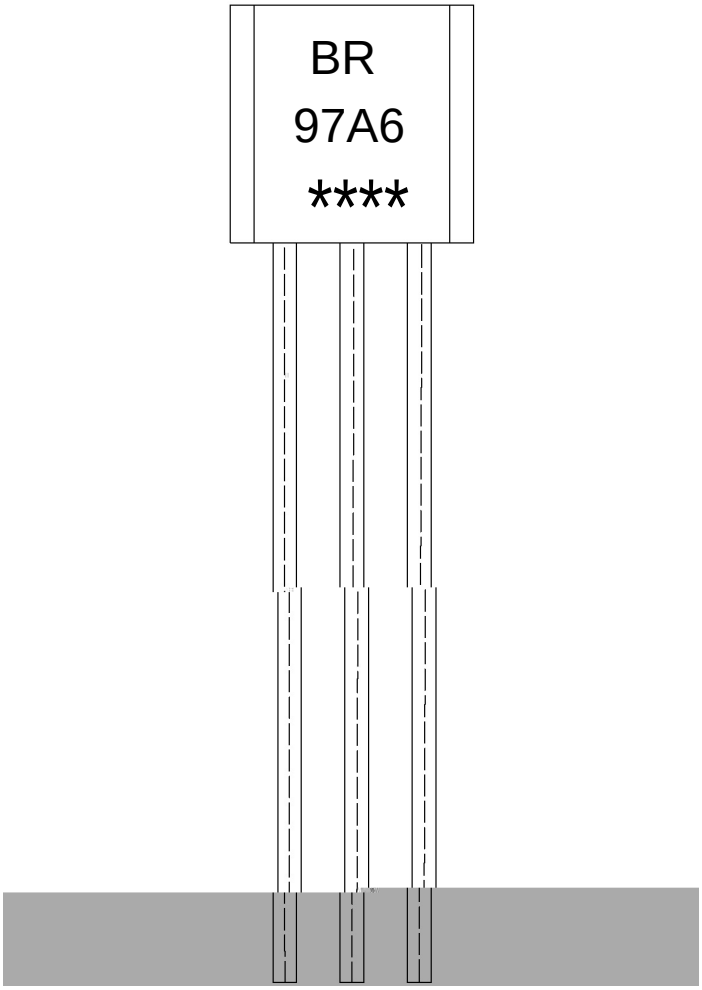
Repetitive rate of rise of on-

Parameter	Symbol	Test Conditions	Min	Typ	Max	Unit
Gate trigger voltage	V_{GT}	V_D=12V I_T=0.1A		0.9	2.0	V
		V_D=V_{DRM} I_T=0.1A T_j=110	0.1	0.7		
Off-state leakage current	I_D	V_D=$V_{DRM(max)}$ T_j=110		3.0	100	μA
Gate Controlled Turn–On Time	tgt	I_{TM}=1.0A V_D=V_{DRM} I_G=25mA,d_{IG}/dt=5A/μs		2.0		μs
Critical Rate–of–Rise of Commutation Voltage	dV_D/dt	V_D=67% of $V_{DM(max)}$, T_{case}=110 exponential waveform gate open circuit	30	45		V/μs

/ Package Dimensions



/ Marking Instructions



BR

97A6

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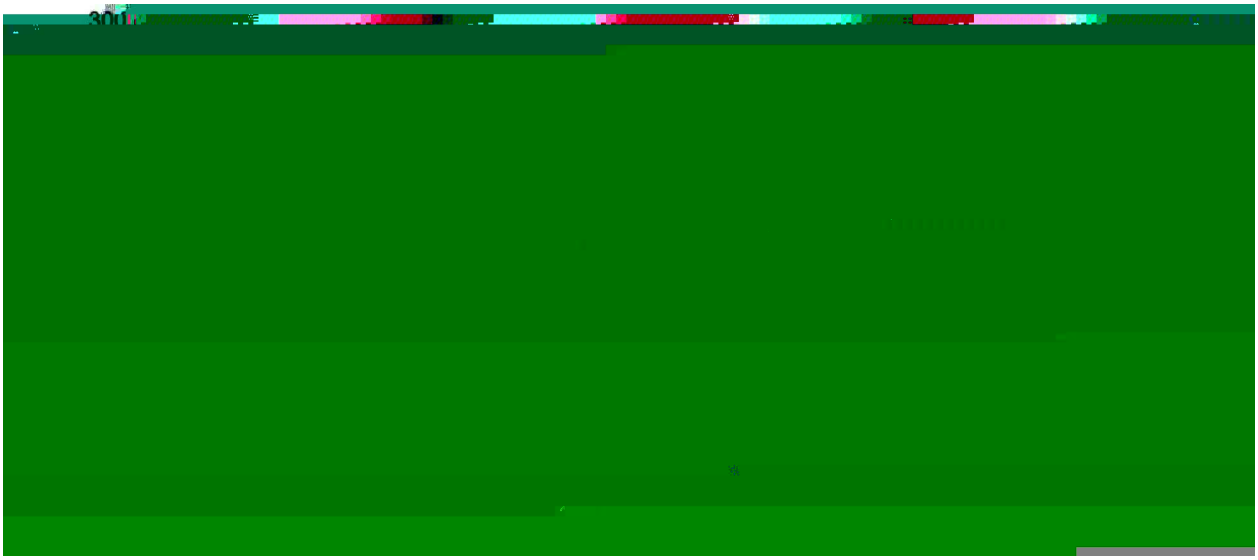
Note:

BR:	Company Code.
97A6:	Product Type.
****:	Lot No. Code, code change with Lot No.

( ) / Temperature Profile for Dip Soldering(Pb-Free)



				Note:
1	25 150		60 90sec;	1.Preheating:25~150 , Time:60~90sec.
2	255±5		5±0.5sec;	2.Peak Temp.:255±5 , Duration:5±0.5sec.
3		2 10	/sec.	3. Cooling Speed: 2~10 /sec.

/ Resistance to Soldering Heat Test Conditions

270±5	10±1 sec.	Temp.:270±5	Time:10±1 sec

/ Packaging SPEC.

/ BULK

Package Type 封装形式	Units 包装数量					Dimension 包装尺寸 (unit: mm3)		
	Units/Bag 只/袋	Bags/Inner Box 袋/盒	Units/Inner Box 只/盒	Inner Boxes/Outer Box 盒/箱	Units/Outer Box 只/箱	Bag 袋	Inner Box 盒	Outer Box 箱
TO-92	1,000	10	10,000	5	50,000	135×190	237×172×102	560×245×195
	1,000	10	10,000	10	100,000	135×190	237×172×102	560×245×375

/ AMMO

Package Type 封装形式	Units 包装数量					Dimension 包装尺寸 (unit: mm3)	
	Units/tape 只/纸带	Tape/Inner Box 纸带/盒	Rows/Inner Box 纸带层/盒	Inner Boxes/Outer Box 盒/箱	Units/Outer Box 只/箱	Inner Box 盒	Outer Box 箱
TO-92	3,000	1	120	10	30,000	328×230×42	小箱 480×346×235， 大箱 547×407×268

/ Notices