

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	$I_{\text{T(RMS)}}$	0.6	A
Non-repetitive peak on-state current	$I_{\text{TSM}(t=20\text{ms})}$	8.0	A
Non-repetitive peak on-state current	$I_{\text{TSM}(t=16.7\text{ms})}$	8.8	A
I_{t} for fusing	$I_{\text{t}}^2(t=10\text{ms})$	0.32	A^2S

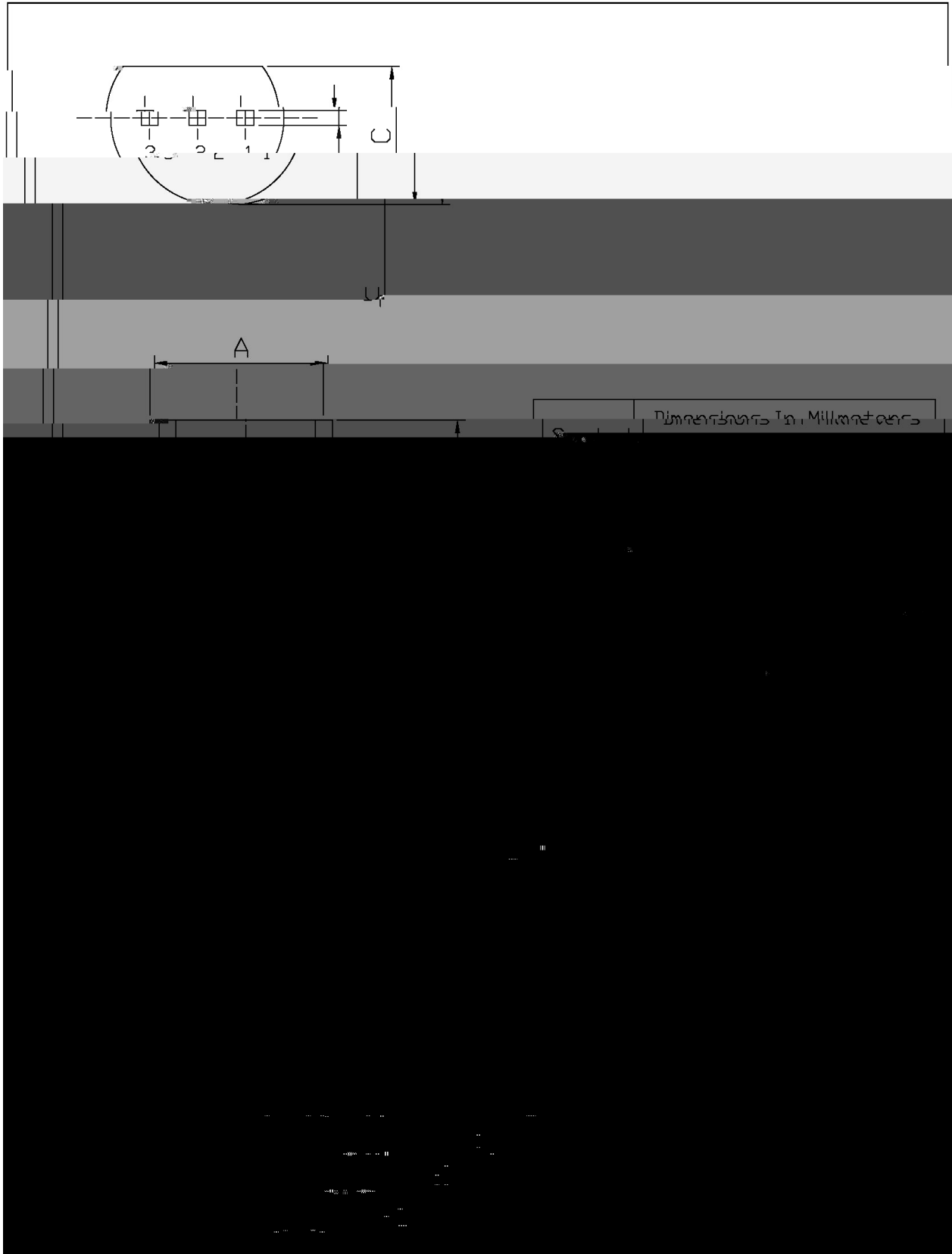
Repetitive rate of rise of on-

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	A
Gate Controlled Turn-On Time	tgt	$I_{TM}=1.0A$ $V_D=V_{DRM}$ $I_G=25mA, dI_G/dt=5A/s$		2.0		s
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/ s

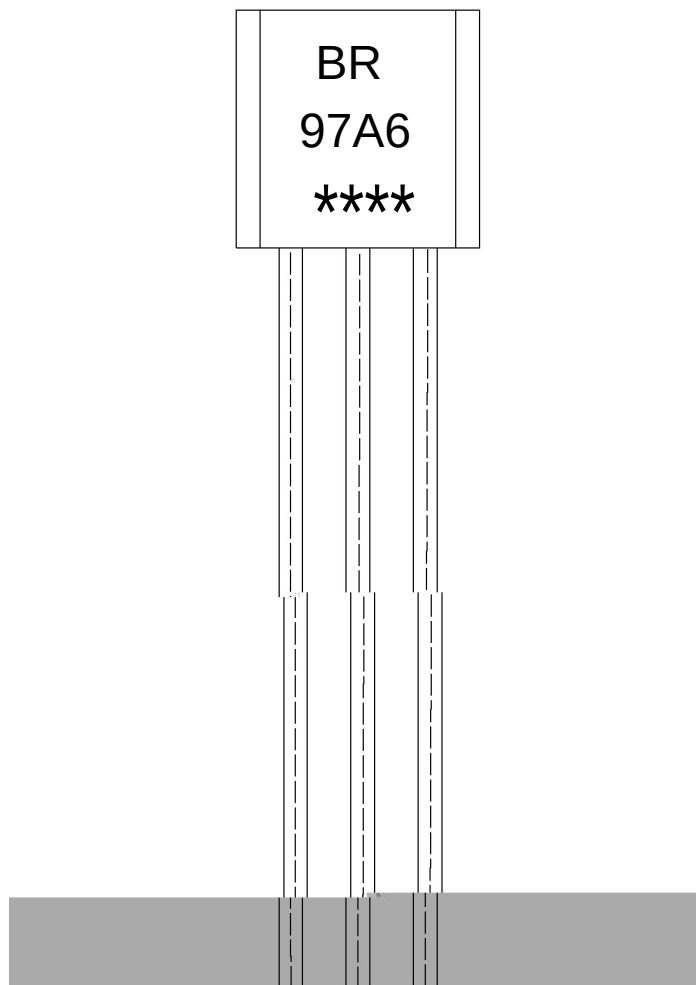
/ Package Dimensions

TO-92

Unit: mm



/ Marking Instructions



BR

97A6

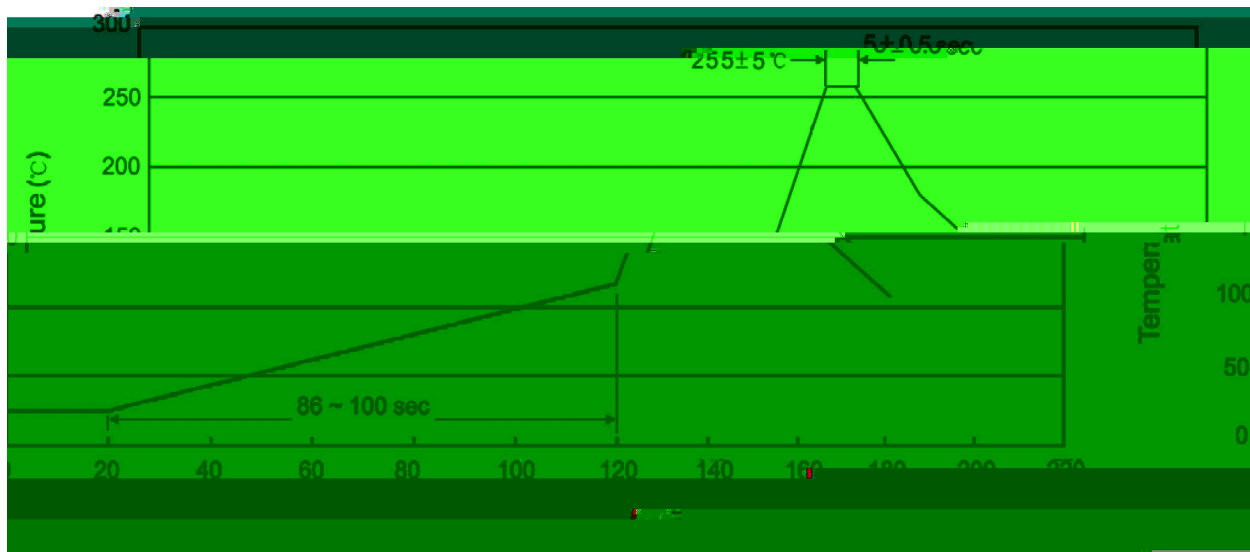
Note:

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