





# Triacs

## Metal/Plastic



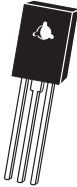

$I_T$ (AMPS)	1.0				2.0
@ $T_C$ (°C)	50	50	80	80	50
$I_{TSM}$ (AMPS)	20	20	10	10	20
CASE	 TO-92		 PRELIMINARY SOT-89	 PRELIMINARY SOT-223	 SOT-89
$V_{DRM}, V_{RRM}$ (VOLTS)					
200	CQ92B*	CQ92BT*			
400	CQ92D*	CQ92DT*	CQ89D*		
600	CQ92M*	CQ92MT*	CQ89M*	CQ223M*	CQ89-2M
800	CQ92N*	CQ92NT*	CQ89N*	CQ223N*	CQ89-2N*
$I_{GT\ QI}$	5.0mA	3.0mA	10mA	10mA	5.0mA
$I_{GT\ QII}$	5.0mA	3.0mA	10mA	10mA	5.0mA
$I_{GT\ QIII}$	5.0mA	3.0mA	10mA	10mA	5.0mA
$I_{GT\ QIV}$	5.0mA	3.0mA	10mA	10mA	8.0mA
$V_{GT\ QI-QIII}$	2.0V	2.0V	2.0V	2.0V	1.8V
$V_{GT\ QIV}$	2.0V	2.0V	2.5V	2.5V	1.8V
$I_H$	5.0mA	3.0mA	10mA	10mA	5.0mA

\* Available on request. Please consult factory.

T (27-July 2010)

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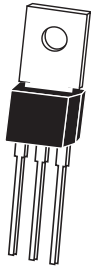
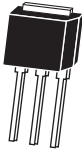

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$I_T$ (AMPS)	2.0		4.0			
@ $T_C$ (°C)	50	80	85	85	85	50
$I_{TSM}$ (AMPS)	20	10	30	30	30	20
CASE	 TO-92	 SOT-223	 TO-126		 TO-39	
$V_{DRM}, V_{RRM}$ (VOLTS)						
200			2N6071	2N6071A	2N6071B*	CQ39BS
400			2N6073	2N6073A	2N6073B*	CQ39DS
600	CQ92-2M	CQ223-2M	2N6075	2N6075A	2N6075B*	CQ39MS
800	CQ92-2N*	CQ223-2N*				CQ39NS*
$I_{GT\ QI}$	5.0mA	5.0mA	30mA	5.0mA	3.0mA	3.0mA
$I_{GT\ QII}$	5.0mA	5.0mA	-	5.0mA	3.0mA	3.0mA
$I_{GT\ QIII}$	5.0mA	5.0mA	30mA	5.0mA	3.0mA	3.0mA
$I_{GT\ QIV}$	8.0mA	8.0mA	-	10mA	5.0mA	5.0mA
$V_{GT\ QI-QIII}$	1.8V	1.8V	2.0V	2.0V	2.0V	2.0V
$V_{GT\ QIV}$	1.8V	1.8V	2.0V	2.0V	2.0V	2.0V
$I_H$	5.0mA	5.0mA	30mA	15mA	15mA	3.0mA

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## Triacs

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
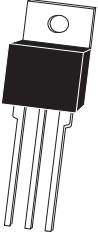
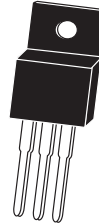
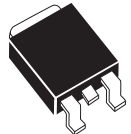
$I_T$ (AMPS)	4.0				
@ $T_C$ (°C)	80	80	80	80	80
$I_{TSM}$ (AMPS)	40	40	40	40	40
CASE	 TO-202		 TO-202-2		 SOT-223
$V_{RRM}$ (VOLTS)					
200	CQ202-4B	CQ202-4BS	CQ202-4B-2	CQ202-4BS-2	
400	CQ202-4D	CQ202-4DS	CQ202-4D-2	CQ202-4DS-2	
600	CQ202-4M	CQ202-4MS	CQ202-4M-2	CQ202-4MS-2	CQ223-4M
800	CQ202-4N*	CQ202-4NS*	CQ202-4N-2*	CQ202-4NS-2*	CQ223-4N*

$I_{GT\ QI}$	20mA	5.0mA	20mA	5.0mA	5.0mA
$I_{GT\ QII}$	20mA	5.0mA	20mA	5.0mA	5.0mA
$I_{GT\ QIII}$	20mA	5.0mA	20mA	5.0mA	5.0mA
$I_{GT\ QIV}$	50mA	9.0mA	50mA	9.0mA	9.0mA
$V_{GT\ QI-QIII}$	1.5V	1.75V	1.5V	1.75V	1.75V
$I_H$	25mA	5.0mA	25mA	5.0mA	5.0mA
$V_{GT\ QIV}$	2.5V	1.75V	2.5V	1.75V	1.75V

\* Available on request. Please consult factory.

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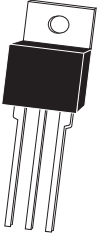
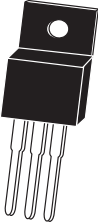
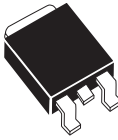
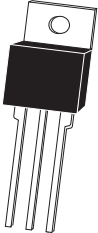
$I_T$ (AMPS)	4.0	8.0		
@ $T_C$ (°C)	80	90	90	90
$I_{TSM}$ (AMPS)	40	80	80	80
CASE	 DPAK	 TO-220	 TO-220FP	 D <sup>2</sup> PAK
$V_{RRM}$ (VOLTS)				
200		<b>CQ220-8B</b>		
400		<b>CQ220-8D</b>		
600	<b>CQD-4M</b>	<b>CQ220-8M</b>	<b>CQ220-8MFP</b>	<b>CQDD-8M</b>
800	<b>CQD-4N*</b>	<b>CQ220-8N*</b>	<b>CQ220-8NFP*</b>	<b>CQDD-8N*</b>

$I_{GT\ QI}$	5.0mA	20mA	20mA	20mA
$I_{GT\ QII}$	5.0mA	20mA	20mA	20mA
$I_{GT\ QIII}$	5.0mA	20mA	20mA	20mA
$I_{GT\ QIV}$	9.0mA	50mA	50mA	50mA
$V_{GT\ QI-QIII}$	1.75V	1.5V	1.5V	1.5V
$I_H$	5.0mA	25mA	25mA	25mA
$V_{GT\ QIV}$	1.75V	2.5V	2.5V	2.5V

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## Triacs

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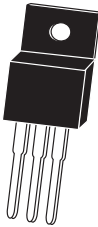
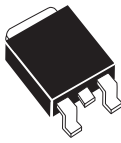
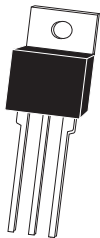
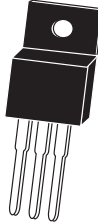
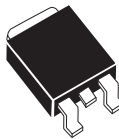
$I_T$ (AMPS)	12			16
@ $T_C$ (°C)	90	90	90	90
$I_{TSM}$ (AMPS)	125	125	125	170
				
CASE	TO-220	TO-220FP	D <sup>2</sup> PAK	TO-220
$V_{RRM}$ (VOLTS)				
200	CQ220-12B			CQ220-16B
400	CQ220-12D			CQ220-16D
600	CQ220-12M	CQ220-12MFP	CQDD-12M	CQ220-16M
800	CQ220-12N*	CQ220-12NFP*	CQDD-12N*	CQ220-16N*

$I_{GT QI}$	20mA	20mA	20mA	25mA
$I_{GT QII}$	20mA	20mA	20mA	25mA
$I_{GT QIII}$	20mA	20mA	20mA	25mA
$I_{GT QIV}$	50mA	50mA	50mA	75mA
$V_{GT QI-QIII}$	1.5V	1.5V	1.5V	1.5V
$I_H$	25mA	25mA	25mA	25mA
$V_{GT QIV}$	2.5V	2.5V	2.5V	2.5V

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## Triacs

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$I_T$ (AMPS)	16		25		
@ $T_C$ (°C)	90	90	90	90	90
$I_{TSM}$ (AMPS)	170	170	210	210	210
					
CASE	TO-220FP	D²PAK	TO-220	TO-220FP	D²PAK
$V_{RRM}$ (VOLTS)					
200			<b>CQ220-25B</b>		
400			<b>CQ220-25D</b>		
600	<b>CQ220-16MFP</b>	<b>CQDD-16M</b>	<b>CQ220-25M</b>	<b>CQ220-25MFP</b>	<b>CQDD-25M</b>
800	<b>CQ220-16NFP*</b>	<b>CQDD-16N*</b>	<b>CQ220-25N*</b>	<b>CQ220-25NFP*</b>	<b>CQDD-25N*</b>

$I_{GT\ QI}$	25mA	25mA	30mA	30mA	30mA
$I_{GT\ QII}$	25mA	25mA	30mA	30mA	30mA
$I_{GT\ QIII}$	25mA	25mA	30mA	30mA	30mA
$I_{GT\ QIV}$	75mA	75mA	60mA	60mA	60mA
$V_{GT\ QI-QIII}$	1.5V	1.5V	1.5V	1.5V	1.5V
$I_H$	25mA	25mA	50mA	50mA	50mA
$V_{GT\ QIV}$	2.5V	2.5V	2.5V	2.5V	2.5V

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