

TRIACs

Package	I _{T(RMS)} (A)	V _{DRM/VRM} (V)	I _{GT} max Q1-3 Q4	Logic Level TRIACs						Standard TRIACs					High Commutation TRIACs		
				3	3	5	5	5	10	10	25	25	50	50	25	35	50
				mA	mA	mA	mA	mA	mA	mA	mA	mA	mA	mA	mA	mA	mA
TO92	1	200	FT0102BA	FT0103BA	FT0104BA	FT0105BA	FT0107BA	FT0109BA	FT0110BA	FT0111BA	FT0112BA	FT0113BA	FT0114BA	FT0115BA	FT0116BA	FT0117BA	FT0118BA
		400	FT0102DA	FT0103DA	FT0104DA	FT0105DA	FT0107DA	FT0109DA	FT0110DA	FT0111DA	FT0112DA	FT0113DA	FT0114DA	FT0115DA	FT0116DA	FT0117DA	FT0118DA
		600	FT0102MA	FT0103MA	FT0104MA	FT0105MA	FT0107MA	FT0109MA	FT0110MA	FT0111MA	FT0112MA	FT0113MA	FT0114MA	FT0115MA	FT0116MA	FT0117MA	FT0118MA
SOT223	1	200	FT0102BN	FT0103BN	FT0104BN	FT0105BN	FT0107BN	FT0109BN	FT0110BN	FT0111BN	FT0112BN	FT0113BN	FT0114BN	FT0115BN	FT0116BN	FT0117BN	FT0118BN
		400	FT0102DN	FT0103DN	FT0104DN	FT0105DN	FT0107DN	FT0109DN	FT0110DN	FT0111DN	FT0112DN	FT0113DN	FT0114DN	FT0115DN	FT0116DN	FT0117DN	FT0118DN
		600	FT0102MN	FT0103MN	FT0104MN	FT0105MN	FT0107MN	FT0109MN	FT0110MN	FT0111MN	FT0112MN	FT0113MN	FT0114MN	FT0115MN	FT0116MN	FT0117MN	FT0118MN
DPAK	8	200	FT0407BD	FT0408BD	FT0410BD	FT0412BD	FT0414BD	FT0416BD	FT0418BD	FT0420BD	FT0422BD	FT0424BD	FT0426BD	FT0428BD	FT0430BD	FT0432BD	FT0434BD
		400	FT0407DD	FT0408DD	FT0410DD	FT0412DD	FT0414DD	FT0416DD	FT0418DD	FT0420DD	FT0422DD	FT0424DD	FT0426DD	FT0428DD	FT0430DD	FT0432DD	FT0434DD
		600	FT0407MD	FT0408MD	FT0410MD	FT0412MD	FT0414MD	FT0416MD	FT0418MD	FT0420MD	FT0422MD	FT0424MD	FT0426MD	FT0428MD	FT0430MD	FT0432MD	FT0434MD
IPAK	8	200	FT0807BI	FT0808BI	FT0810BI	FT0812BI	FT0814BI	FT0816BI	FT0818BI	FT0820BI	FT0822BI	FT0824BI	FT0826BI	FT0828BI	FT0830BI	FT0832BI	FT0834BI
		400	FT0807DI	FT0808DI	FT0810DI	FT0812DI	FT0814DI	FT0816DI	FT0818DI	FT0820DI	FT0822DI	FT0824DI	FT0826DI	FT0828DI	FT0830DI	FT0832DI	FT0834DI
		600	FT0807MI	FT0808MI	FT0810MI	FT0812MI	FT0814MI	FT0816MI	FT0818MI	FT0820MI	FT0822MI	FT0824MI	FT0826MI	FT0828MI	FT0830MI	FT0832MI	FT0834MI
TO225AA	4	200	FT0407BK	FT0408BK	FT0410BK	FT0412BK	FT0414BK	FT0416BK	FT0418BK	FT0420BK	FT0422BK	FT0424BK	FT0426BK	FT0428BK	FT0430BK	FT0432BK	FT0434BK
		400	FT0407DK	FT0408DK	FT0410DK	FT0412DK	FT0414DK	FT0416DK	FT0418DK	FT0420DK	FT0422DK	FT0424DK	FT0426DK	FT0428DK	FT0430DK	FT0432DK	FT0434DK
		600	FT0407JK	FT0408JK	FT0410JK	FT0412JK	FT0414JK	FT0416JK	FT0418JK	FT0420JK	FT0422JK	FT0424JK	FT0426JK	FT0428JK	FT0430JK	FT0432JK	FT0434JK
TO202-1	4	200	FT0405BE	FT0405DE	FT0405ME	FT0405NE	FT0405SE	FT0405TE	FT0405UE	FT0405VE	FT0405WE	FT0405XE	FT0405YE	FT0405ZE	FT0405AE	FT0405BE	FT0405CE
		400	FT0405BE	FT0405DE	FT0405ME	FT0405NE	FT0405SE	FT0405TE	FT0405UE	FT0405VE	FT0405WE	FT0405XE	FT0405YE	FT0405ZE	FT0405AE	FT0405BE	FT0405CE
		600	FT0405BE	FT0405DE	FT0405ME	FT0405NE	FT0405SE	FT0405TE	FT0405UE	FT0405VE	FT0405WE	FT0405XE	FT0405YE	FT0405ZE	FT0405AE	FT0405BE	FT0405CE
TO202-3	4	200	FT0405BF	FT0405DF	FT0405MF	FT0405NF	FT0405OF	FT0405PF	FT0405QF	FT0405RF	FT0405SF	FT0405TF	FT0405UF	FT0405VF	FT0405WF	FT0405XF	FT0405YF
		400	FT0405BF	FT0405DF	FT0405MF	FT0405NF	FT0405OF	FT0405PF	FT0405QF	FT0405RF	FT0405SF	FT0405TF	FT0405UF	FT0405VF	FT0405WF	FT0405XF	FT0405YF
		600	FT0405BF	FT0405DF	FT0405MF	FT0405NF	FT0405OF	FT0405PF	FT0405QF	FT0405RF	FT0405SF	FT0405TF	FT0405UF	FT0405VF	FT0405WF	FT0405XF	FT0405YF
D2PAK	16	200	FT1208BG	FT1209BG	FT1209DG	FT1209EG	FT1209FG	FT1209GG	FT1209HG	FT1209IG	FT1209JG	FT1209KG	FT1209LG	FT1209MG	FT1209NG	FT1209OG	FT1209PG
		400	FT1208BG	FT1209BG	FT1209DG	FT1209EG	FT1209FG	FT1209GG	FT1209HG	FT1209IG	FT1209JG	FT1209KG	FT1209LG	FT1209MG	FT1209NG	FT1209OG	FT1209PG
		600	FT1208BG	FT1209BG	FT1209DG	FT1209EG	FT1209FG	FT1209GG	FT1209HG	FT1209IG	FT1209JG	FT1209KG	FT1209LG	FT1209MG	FT1209NG	FT1209OG	FT1209PG
TO220F	10	200	FT0608BW	FT0608DW	FT0608MW	FT0608NW	FT0608OW	FT0608PW	FT0608QW	FT0608RW	FT0608SW	FT0608TW	FT0608UW	FT0608VW	FT0608WW	FT0608XW	FT0608YW
		400	FT0608BW	FT0608DW	FT0608MW	FT0608NW	FT0608OW	FT0608PW	FT0608QW	FT0608RW	FT0608SW	FT0608TW	FT0608UW	FT0608VW	FT0608WW	FT0608XW	FT0608YW
		600	FT0608BW	FT0608DW	FT0608MW	FT0608NW	FT0608OW	FT0608PW	FT0608QW	FT0608RW	FT0608SW	FT0608TW	FT0608UW	FT0608VW	FT0608WW	FT0608XW	FT0608YW
TO220AB	10	200	FT1008BH	FT1008BH	FT1008BH	FT1008BH	FT1008BH	FT1008BH	FT1008BH	FT1008BH	FT1008BH	FT1008BH	FT1008BH	FT1008BH	FT1008BH	FT1008BH	FT1008BH
		400	FT1008BH	FT1008BH	FT1008BH	FT1008BH	FT1008BH	FT1008BH	FT1008BH	FT1008BH	FT1008BH	FT1008BH	FT1008BH	FT1008BH	FT1008BH	FT1008BH	FT1008BH
		600	FT1008BH	FT1008BH	FT1008BH	FT1008BH	FT1008BH	FT1008BH	FT1008BH	FT1008BH	FT1008BH	FT1008BH	FT1008BH	FT1008BH	FT1008BH	FT1008BH	FT1008BH

Logic Level TRIACs

The Logic Level TRIACs series has been developed to provide very high switching performance with a low gate current drive (<10 mA), allowing direct drive from microcontrollers.

Standard TRIACs

Standard TRIACs are ideal for general purpose switching and phase control applications. Available with various gate sensitivities to fit many application requirements, they are used either as ON/OFF switches (in applications like washing machines, solid state relays, food processors, ...) or as variable load controllers (as in light dimmer, variable speed fans, hand tools etc.).

High Commutation TRIACs

In most applications High Commutation TRIACs do not need an RC snubber network thanks to their high commutation capability. Typical applications are motor control and other circuits with inductive loads.

Sensitive Gate SCRs

Sensitive Gate SCRs are easy to drive due to their very low gate current triggering. This high gate sensitivity allows direct triggering from the outputs of low power Microcontrollers or logic ICs, simplifying drive circuit design and reducing component and assembly cost. They are suitable for low power applications where low consumption is mandatory.

Standard Gate SCRs

Standard Gate SCRs use a high performance glass passivated technology. This general purpose family of Silicon Controlled Rectifiers is suitable for use in power supplies.

DIACs

A DIAC is a full-wave or bi-directional thyristor. It is used as a trigger diode with fixed voltage reference along with

DIACs

Package	Part Number	I _{TRM} max A	V _{BO}			I _{BO} max μA
			min. V	Typ. V	max. V	
DO35	FD0200YR	2	28	32	36	50
	FD0201YR	2	30	32	34	15
	FD0203YR	2	28	32	36	100
MiniMELF	FD0200YM	2	28	32	36	50
	FD0201YM	2	30	32	34	15

SCRs

Package	I _{T(RMS)} (A)	V _{DRM/VRM} (V)	Min. Max.	Sensitive Gate SCR						Standard Gate SCR			
				0.5	1	4	15	20	200	0.5	2	2	4
				μA	μA	μA	μA	μA	μA	mA	mA	mA	mA
TO92	0.8	400	FS0118BA	FS0101BA	FS0111BA	FS0104BA	FS0103BA	FS0102BA	FS0102BA	FS0102BA	FS0102BA	FS0102BA	FS0102BA
		400	FS0118DA	FS0101DA	FS0111DA	FS0104DA	FS0103DA	FS0102DA	FS0102DA	FS0102DA	FS0102DA	FS0102DA	FS0102DA
		600	FS0118MA	FS0101MA	FS0111MA	FS0104MA	FS0103MA	FS0102MA	FS0102MA	FS0102MA	FS0102MA	FS0102MA	FS0102MA
RD26	1.25	200	FS0201BA	FS0204BA	FS0203BA	FS0204BA	FS0203BA	FS0202BA	FS0202BA	FS0202BA	FS0202BA	FS0202BA	FS0202BA
		400	FS0201DA	FS0204DA	FS0203DA	FS0204DA	FS0203DA	FS0202DA	FS0202DA	FS0202DA	FS0202DA	FS0202DA	FS0202DA
		600	FS0201MA	FS0204MA	FS0203MA	FS0204MA	FS0203MA	FS0202MA	FS0202MA	FS0202MA	FS0202MA	FS0202MA	FS0202MA
SOT223	1.25	200	FS0118BB	FS0101BB	FS0111BB	FS0104BB	FS0103BB	FS0102BB	FS0102BB	FS0102BB	FS0102BB	FS0102BB	FS0102BB
		400	FS0118DB	FS0101DB	FS0111DB	FS0104DB	FS0103DB	FS0102DB	FS0102DB	FS0102DB	FS0102DB	FS0102DB	FS0102DB
		600	FS0118MB	FS0101MB	FS0111MB	FS0104MB	FS0103MB	FS0102MB	FS0102MB	FS0102MB	FS0102MB	FS0102MB	FS0102MB
DPAK	8	200	FS0118BN	FS0101BN	FS0111BN	FS0104BN	FS0103BN	FS0102BN	FS0102BN	FS0102BN	FS0102BN	FS0102BN	FS0102BN
		400	FS0118DN	FS0101DN	FS0111DN	FS0104DN	FS0103DN	FS0102DN	FS0102DN	FS0102DN	FS0102DN	FS0102DN	FS0102DN
		600	FS0118MN	FS0101MN	FS0111MN	FS0104MN	FS0103MN	FS0102MN	FS0102MN	FS0102MN	FS0102MN	FS0102MN	FS0102MN
IPAK	8	200	FS0401BI	FS0404BI	FS0403BI	FS0404BI	FS0403BI	FS0402BI	FS0402BI	FS0402BI	FS0402BI	FS0402BI	FS0402BI
		400	FS0401DI	FS0404DI	FS0403DI	FS0404DI	FS0403DI	FS0402DI	FS0402DI	FS0402DI	FS0402DI	FS0402DI	FS0402DI
		600	FS0401MI	FS0404MI	FS0403MI	FS0404MI	FS0403MI	FS0402MI	FS0402MI	FS0402MI	FS0402MI	FS0402MI	FS0402MI
TO225AA	4	200	FS0802BI	FS0802DI	FS0802MI	FS0802BI	FS0802DI	FS0802MI	FS0802BI	FS0802DI	FS0802MI	FS0802BI	FS0802DI
		400	FS0802BI	FS0802DI	FS0802MI	FS0802BI	FS0802DI	FS0802MI	FS0802BI	FS0802DI	FS0802MI	FS0802BI	FS0802DI
		600	FS0802BI	FS0802DI	FS0802MI	FS0802BI	FS0802DI	FS0802MI	FS0802BI	FS0802DI	FS0802MI	FS0802BI	FS0802DI
TO202-1	8	200	FS0404BK	FS0404DK	FS0404MK	FS0404BK	FS0404DK	FS0404MK	FS0404BK	FS0404DK	FS0404MK	FS0404BK	FS0404DK
		400	FS0404BK	FS0404DK	FS0404MK	FS0404BK	FS0404DK	FS0404MK	FS0404BK	FS0404DK	FS0404MK	FS0404BK	FS0404DK
		600	FS0404BK	FS0404DK	FS0404MK	FS0404BK	FS0404DK	FS0404MK	FS0404BK	FS0404DK	FS0404MK	FS0404BK	FS0404DK
TO202-3	8	200	FS0404BF	FS0404DF	FS0404MF	FS0404BF	FS0404DF	FS0404MF	FS0404BF	FS0404DF	FS0404MF	FS0404BF	FS0404DF
		400	FS0404BF	FS0404DF	FS0404MF	FS0404BF	FS0404DF	FS0404MF	FS0404BF	FS0404DF	FS0404MF	FS0404BF	FS0404DF
		600	FS0404BF	FS0404DF	FS0404MF	FS0404BF	FS0404DF	FS0404MF	FS0404BF	FS0404DF	FS0404MF	FS0404BF	FS0404DF
D2PAK	16	200	FS0608BW	FS0608DW	FS0608MW	FS0608NW	FS0608OW	FS0608PW	FS0608QW	FS0608RW	FS0608SW	FS0608TW	FS0608UW
		400	FS0608BW	FS0608DW	FS0608MW	FS0608NW	FS0608OW	FS0608PW	FS0608QW	FS0608RW	FS0608SW	FS0608	

Main applications

Consumer



AIR CONDITIONING

Motor Speed Control

SAFETY SYSTEMS

GFCI's

ALCI's

SECURITY SYSTEMS

Smoke Alarms

Intrusion Alarms

Electronic Locks

HEATING

Power Control

Airflow Controls

TELEVISION

Standby

Power Supply

HOME APPLIANCES

Motor Speed Control

Actuator Controls

Valve Controls

Safety Switches

FAN & COOLERS

Motor Speed Control

LIGHTING CONTROL

Dimmers

Security Lights

Electronic Ballast

Electronic Starters

Christmas Lights

Industrial

PROGRAM CONTROLLERS

Switches

PLC's

SOLID STATE RELAY

Switch

GAS IGNITION SYSTEM

Switches

SMALL ENGINE IGNITORS

HEATERS

Switches

Phase Controllers

MOTOR SPEED CONTROLLERS

Phase Controllers

PROXIMITY SWITCHES

Switches

FAN & COOLERS

Motor Speed Control



Communication

DATAKOM

Protective Circuits

TELEPHONE

Protection Circuits

Line Terminators



Automotive



ENGINE CONTROLS

Ignitors

SECURITY

Burglar Alarms

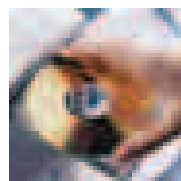
Data processing

POWER SUPPLIES

Automatic Voltage

Switches

Protective Circuits



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Electronics **THYRISTOR** Motor
THYRISTOR LINES

Thyristor lines



SCR

Sensitive Gate SCRs
Standard SCRs
Surface Mount SCRs



TRIAC

Logic Level TRIACs
Standard TRIACs
High Commutation TRIACs
Surface Mount TRIACs



DIAC

Standard DIAC
Surface Mount DIAC

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