

High Speed Thyristors

→ Peak Repetitive Off-state Voltage and Reverse Voltage

Average On-state Current ←	Package	Turn-Off time	200V	300V	400V
	0.3A	TO-92	6 μs	SH0R3D42	
2A	TO-202	15 μs			SH2G41
	ø35 Flat	25 μs			
400A	ø35 Flat	25 μs			
	ø35 Flat	40 μs			

Triacs

→ Peak Repetitive Off-State voltage

F2

R. M. S. On-State Current ←	Package	400V	600V
	0.8A	TO-92	SM08G43
1A	TO-92	SM1G43	SM1J43
	TO-202	SM2G41	
2A	DIP	SM2G44	
	H-FLAT-L	USM2G44	
	TO-202	SM3G41	SM3J41
3A	DIP	SM3G44	SM3J44
	H-FLAT-L	USM3G44	USM3J44
	TO-220AB	SM3G45	SM3J45
	TO-220NIS	SM3GZ47	SM3JZ47
	TO-220FL	SM3G48	SM3J48
	TO-220SM	USM3G48	USM3J48
	DIP	SM6G44	SM6J44
6A	H-FLAT-L	USM6G44	USM6J44
	TO-220AB	SM6G45/A	SM6J45/A
	TO-220NIS	SM6GZ47/A	SM6JZ47/A
	TO-220FL	SM6G48/A	SM6J48/A
	TO-220SM	USM6G48/A	USM6J48/A
	TO-220AB	SM8G45/A	SM8J45/A
8A	TO-220NIS	SM8GZ47/A	SM8JZ47/A
	TO-220FL	SM8G48/A	SM8J48/A
	TO-220SM	USM8G48/A	USM8J48/A
	TO-220AB	SM12G45/A	SM12J45/A
12A	TO-220NIS	SM12GZ47/A	SM12JZ47/A
	TO-220FL	SM12G48/A	SM12J48/A
	TO-220SM	USM12G48/A	USM12J48/A
	TO-220AB	SM16G45/A	SM16J45/A
16A	TO-220NIS	SM16GZ47/A	SM16JZ47/A
	TO-220FL	SM16G48/A	SM16J48/A
	TO-220SM	USM16G48/A	USM16J48/A
	TO-3P(N)IS	SM16GZ51	SM16JZ51
25A	TO-3P(N)IS	SM25GZ51	SM25JZ51

Prefix "U": Surface Mount Device. Suffix "A": High Gate Sensitivity Type.

C2,F2

600V	800V	1000V	1200V	1300V	2500V	
						0.3A
						2A
	SH400L28B	SH400N28B		SH400R28B		400A
				SH400R29B		
					SH400EX29C	

Thyristors for Special Applications

→ Peak Repetitive Off-State Voltage F2

Application & Rating		Package	400V
TV	3A	TO-220NIS	S6785G
Strobe	Trigger	TO-92	S6370
	Quench	TO-202	S6111
		Fin Cut	SF3H42(LC2)
	Chopper	TO-220AB	SH5G41(LC2)
		Tab Cut	
	Chopper	TO-220AB	SH8G41
Bypass	TO-220FL	S6744	
CDI	3A	TO-202	SF3G42C

Resistors TM Thyristor with built-in resistor between gate and cathode (R_{GK})

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	Package	V _{DRM} , V _{RRM}	R _{GK} =1KΩ	R _{GK} =2.7KΩ	R _{GK} =5.1KΩ
0.5A	TO-92	400V	RSF05G1-1P	RSF05G1-3P	RSF05G1-5P
0.5A	PW-Mini	400V	URSF05G49-1P	URSF05G49-3P	URSF05G49-5P

PUT

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I _T	Package	V _{GKF} , V _{GAR}	i _P	
150mA	TO-92	40V	2 μA	TN41A
150mA	TO-92	40V	0.15 μA	TN41B