

GTOs and Fast Recovery Diodes

Gate Turn Off Thyristors (GTOs)

Toshiba produces a wide variety of "Alloy-free" GTOs. All anode short types are indicated by prefix "SG" while all reverse conducting types are marked with "SGR." All devices ending with "26" are "Fine-pattern" devices that allow significant reduction of the snubber capacitance.

Anode Short (SG) and Reverse Conducting (SGR) Types

		$V_{DRM}(V)$		
		2500	4500	6000
$I_{TQM}(A)$	600			
	800		SG800GXH24 1	
	1000		SG1000GXH26 2	
	1200	SG1200EX24 1		
	1500	SG1500EX24 2		
	2000	SG2000EX24 3	SG2000GXH26 3	
		SG2000EX26 3		
	2200		SG2200GXH24 3	
	3000	SG3000EX24 4	SG3000GXH24 4	SG3000JX24 5
		SGR3000EX26 6	SGR3000GXH26 6	
4000	SG4000EX26 5	SG4000GXH26 6	SG4000JX26 6	
		SG4000GXH26G 4		


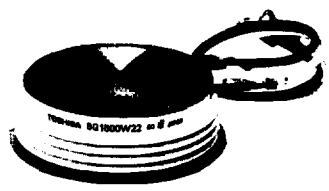
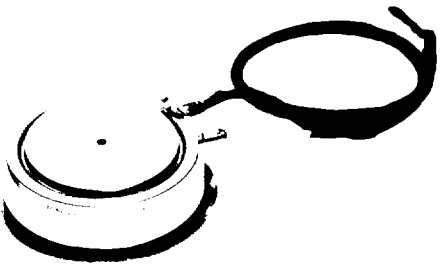



Red numbers indicate photos on page 16.

Fast Recovery Diodes (FRDs)

		REPETITIVE PEAK STATE-OFF VOLTAGE		
		2500V	4500V	6000V
AVERAGE FORWARD CURRENT	25A			
	100A		100GXHH21 \varnothing 34mm x 26mm	
	300A	300EXH21 \varnothing 25mm x 14mm		
	500A	500EXH21 \varnothing 35mm x 14mm		
	800A	800EXH21 \varnothing 55mm x 21mm	800GXHH21 \varnothing 60mm x 26mm	
	1000A		1000GXHH22 \varnothing 60mm x 26mm	
	1200A		1200GXHH22 \varnothing 75mm x 26mm	1200JXH23 \varnothing 75mm x 26mm

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External View of GTO Thyristors

<p>1</p>  <p>Ø 34mm x h 26mm</p>	<p>2</p>  <p>Ø 48mm x h 26mm</p>
<p>3</p>  <p>Ø 60mm x h 26mm</p>	<p>4</p>  <p>Ø 75mm x h 26mm</p>
<p>5</p>  <p>Ø 75mm x h 35mm</p>	<p>6</p>  <p>Ø 85mm x h 26mm</p>