

MITSUBISHI HIGH POWER SEMICONDUCTORS

SELECTION GUIDE BY FUNCTION

1. High-frequency rectifier diodes

Voltage rating(kv) Current* rating(A)	0.1	0.5	1.0	1.5	2.0	2.5	3.0	3.5	4.0	4.5	5.0	5.5	6.0	Package type
800										FD1000FX →				Press pack type
										FD1000FV →				Press pack type
1000					FD1000FH →									Press pack type
1500										FD1500AV →				Press pack type
2000													FD2000DU →	Press pack type

*: Average forward current

2. High-frequency rectifier diode (Soft Recovery Type)

Voltage rating(kv) Current* rating(A)	0.1	0.5	1.0	1.5	2.0	2.5	3.0	3.5	4.0	4.5	5.0	Package type
500										FD500JV →		Press pack type
1500										FD1500BV →		Press pack type

*: Average forward current

3. Gate turn-off thyristors

Voltage rating(kv) Current* rating(A)	0.1	0.5	1.0	1.5	2.0	2.5	3.0	3.5	4.0	4.5	5.0	5.5	6.0	Package type
1000										FG1000BV →				Press pack type
2000										FG2000JV →				Press pack type
2200					FG2000FX →									Press pack type
3000										FG3000GX →				Press pack type
										FG3000DV →				Press pack type
										FG4000BX →				Press pack type
										FG4000FX →				Press pack type
3300					FG3300AH →								Press pack type	
4000										FG4000CX →				Press pack type
										FG4000EX →				Press pack type
										FG4000GX →				Press pack type
6000										FG6000AU →			Press pack type	

*: Controllable on-state current

4. Reverse-conducting GTO thyristors

Voltage rating(kv) Current* rating(A)	0.1	0.5	1.0	1.5	2.0	2.5	3.0	3.5	4.0	4.5	5.0	Package type
3000										FG3000FX →		Press pack type
										FG3000CV →		Press pack type

*: Controllable on-state current

5. GCT (Gate Commutated Turn-off) thyristors

Voltage rating(kv) Current* rating(A)	0.1	0.5	1.0	1.5	2.0	2.5	3.0	3.5	4.0	4.5	5.0	Package type
3000										FG4000HX →		Press pack type
4000										FGC4000BX →		Press pack type

*: Controllable on-state current