



Gate Turn-off Thyristor Cross Reference

DS5549-2.0 September 2003

ABB - DYNEX

ABB Part Number	Voltage Maximum	I_{TORM}	Cs (μ F)	Dynex Nearest Equivalent Part Number
CSG 1501-25A01	2500	1500	3	DG406BP25
CSG 2001-25A01	2500	2000	4	DG646BH25
CSG 2003-45A01	4500	2000	4	DG648BH45
CSG 2501-25A01	2500	2500	6	DG646BH25
CSG 3001-25A01	2500	3000	5	-----
CSG 3003-45A01	4500	3000	6	DG858BW45
5SGA 15F2502	2500	1500	3	DG406BP25
5SGA 20H2501	2500	2000	4	DG646BH25
5SGA 20H4502	4500	2000	4	DG648BH45
5SGA 25H2501	2500	2500	6	DG646BH25
5SGA 30L2501	2500	3000	5	-----
5SGA 30L4502	4500	3000	6	DG858BW45

EUPEC - DYNEX

Eupec Part Number	Voltage Maximum	I_{TORM}	Cs (μ F)	Dynex Nearest Equivalent Part Number
BGT Q 900 A 25	2500	900		DG406BP25
BGT R 1400 A 25	2500	1400		DG406BP25
BGT S 2000 A 25	2500	2000		DG646BH25
BGT T 3000 C 45	4500	3000		DG858BW45
BGT Q 700 C 45	4500	700		DG408BP45

POWEREX / MITSUBISHI - DYNEX

Powerex / Mitsubishi Part Number	Voltage Maximum	I_{TORM}	Cs (μ F)	Dynex Nearest Equivalent Part Number
FG450BLXX	1200	450	2.0	DGT304SE12
FG600ALXX	1200	600	2.0	DGT304SE12
FG600AHXX	2500	600	2.0	DG306AE25
FG600BVXX	4500	600	0.5	DG408BP45
FG1000ALXX	1200	1000	3.0	DG406BP12
FG1000AHXX	2500	1000	2.0	DG406BP25
FG1000AVXX	4500	1000	2.0	DG408BP45
FG450DX-XX	2500	450	0.4	DG406BP25
FG600EX-XX	2500	600	0.5	DG406BP25
FG1000CX-XX	2500	1000	0.7	DG646BH25
FG1066BX-XX	2500	1600	1.5	DG646BH25
FG2000DX-XX	2500	2000	2.0	DG646BH25
FG2000FX-50DA	2500	2000	4.0	DG646BH25
FG1000BV-90DA	4500	1000	0.7	DG408BP45
FG2000DV-90DA	4500	2000	?	DG648BP45
FG3000DV-90DA	4500	3000	6.0	DG758BX45
FG3000GX-90DA	4500	3000	3.0	DG858DW45
FG4000BX-90DA	4500	3000	3.0	DG858BW45

TOSHIBA - DYNEX

Toshiba Part Number	Voltage Maximum	I_{TORM}	Cs (μ F)	Dynex Nearest Equivalent Part Number
SG300EX11	2500	300	1.0	X
SG300R11	1300	300	1.0	X
SG300U11	1600	300	1.0	X
SG300W11	1800	300	1.0	X
SG400EX11	2500	400	1.0	X
SG400EX22	2500	400	1.0	DG306AE25
SG400R11	1300	400	1.0	X
SG400R22	1300	400	1.0	DG304SE13
SG400U11	1600	400	1.0	X
SG400U22	1600	400	1.0	DG306AE16
SG400W11	1800	400	1.0	X
SG400W22	1800	400	1.0	DG306AE18
SG500FXF22	3300	500	2.0	DG408BP33
SG500GXH22	4500	500	2.0	DG408BP45
SG600EX21	2500	600	2.0	DG406BP25 *
SG600J21	600	600	2.0	DG304SE06
SG600R21	1300	600	2.0	DG304SE13
SG700EX11	2500	700	2.0	X
SG700EX22	2500	700	2.0	DG306AE25
SG700R11	1300	700	2.0	X
SG700R22	1300	700	2.0	DG304SE13
SG700U11	1600	700	2.0	X
SG700U22	1600	700	2.0	DG306AE16
SG700W11	1800	700	2.0	X
SG800EX11	2500	800	2.0	X
SG800EX21	2500	800	2.0	DG406BP25 *
SG800FXF22	3300	800	2.0	DG408BP33
SG800GHX22	4500	800	2.0	DG408BP45
SG800J21	600	800	2.0	X
SG800R11	1300	800	2.0	X
SG800R21	1300	800	2.0	DG406BP13
SG800U11	1600	800	2.0	X
SG800W11	1800	800	2.0	X
SG1000EX23	2500	1000	2.0	DG406BP25
SG1000R22	1300	1000	2.0	DG406BP13 *
SG1000R23	1300	1000	2.0	DG406BP13
SG1000U23	1600	1000	2.0	DG406BP16
SG1000W23	1800	1000	2.0	DG406BP18

TOSHIBA - DYNEX

Toshiba Part Number	Voltage Maximum	I_{TORM}	Cs (μ F)	Dynex Nearest Equivalent Part Number
SG1200EX21	2500	1200	2.0	DG406BP25 *
SG1400EX21	2500	1400	2.0	DG646BH25 *
SG2000EX21	2500	2000	4.0	DG646BH25
SG2000EX22	2500	2000	4.0	DG646BH25
SG2000R22	1300	2000	4.0	DG646BP13
SG2000U22	1600	2000	4.0	DG646BP16
SG2000W22	1800	2000	4.0	DG646BP18
SG2500FXF22	3300	2500	6.0	DG858BW33
SG2500GHX22	4500	2500	6.0	DG858BW45
SG2700EX22	2500	2700	6.0	DG858BW25
SG2700R22	1300	2700	6.0	DG858BW13
SG2700U22	1600	2700	6.0	DG858BW16
SG2700W22	1800	2700	6.0	DG858BW18
SG3000GXH29(G)	4500	3000	6.0	DG758BX45

* Denotes major difference in outline

WESTCODE - DYNEX

Westcode Part Number	Voltage Maximum	I_{TORM}	Cs (μ F)	Dynex Nearest Equivalent Part Number
WG50 45S	4500	500	1	DG408BP45
WG70 25S	2500	700	1	DG406BP25
WG80 45S	4500	800	1	DG408BP45
WG80 60S	6000	800	2	-----
WG100 25S	2500	1000	2	DG406BP25
WG100 45S	4500	1000	2	DG408BP45
WG1500 25S	2500	1500	3	DG646BH25
WG1500 45S	4500	1500	3	DG648BH45
WG200 25S	2500	2000	4	DG646BH25
WG200 45S	4500	2000	4	DG648BH45
WG250 25S	2500	2500	4	DG646BH25
WG300 25S	2500	3000	5	DG646BH25
WG300 45S	4500	3000	6	DG858BW45
WG400 45S	4500	4000	6	DG858BW45

POWER ASSEMBLY CAPABILITY

The Power Assembly group was set up to provide a support service for those customers requiring more than the basic semiconductor, and has developed a flexible range of heatsink and clamping systems in line with advances in device voltages and current capability of our semiconductors.

We offer an extensive range of air and liquid cooled assemblies covering the full range of circuit designs in general use today. The Assembly group offers high quality engineering support dedicated to designing new units to satisfy the growing needs of our customers.

Using the latest CAD methods our team of design and applications engineers aim to provide the Power Assembly Complete Solution (PACs).

HEATSINKS

The Power Assembly group has its own proprietary range of extruded aluminium heatsinks which have been designed to optimise the performance of Dynex semiconductors. Data with respect to air natural, forced air and liquid cooling (with flow rates) is available on request.

For further information on device clamps, heatsinks and assemblies, please contact your nearest sales representative or Customer Services.



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