



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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