

SUMMARY

The WD range is based on more than thirty years experience of the suppression of phase-angle light dimmers, which has made Almag one of the World's largest manufacturers of dimmer chokes.

The range of rise-times and inductances for each current rating allows our WD chokes to cover all dimmer requirements, from straight emc compliance through to high rise-time TV and film studio dimmers.

All types use powder toroidal cores, for optimum high frequency suppression and low flux-leakage.



CURRENT RATINGS

Current rating are determined by thermal considerations, assuming good convection cooling, and should be adjusted upwards or downwards according to the actual cooling conditions in the customer's equipment. The powder cores used have a "soft" saturation, which means that they do not have the magnetically limited current ratings that apply to laminated chokes.

INDUCTANCE, RESISTANCE & RISE-TIME

The inductance shown is the nominal value for low drive-level, bridge measurement, typically at 1kHz.

The resistance shown is for DC measurement at 25 degrees C.

The rise-times shown are approximate, from 10% to 90% of the current waveform at 90 degrees firing angle.

| Current Normal cooling Amps | L (nom) mH | Rise-time (approx) 230V usec | Part no | Diameter (nom.) mm | Thickness (nom.) mm | R (nom.) Ohms | Rise-time (approx) 110V usec | Current Fan cooling Amps |
|-----------------------------|------------|------------------------------|----------------|--------------------|---------------------|---------------|------------------------------|--------------------------|
| 0.7 | 4 | | WD018B-007-000 | 21 | 10 | 1.8 | | 1 |
| 1 | 1.6 | | WD018B-010-000 | 21 | 10 | 0.81 | | 1.3 |
| 1 | 2.9 | | WD020C-010-000 | 25 | 11 | 1 | | 1.3 |
| 1.3 | 1.1 | | WD018B-013-000 | 21 | 11 | 0.46 | | 1.7 |
| 1.3 | 1.6 | | WD020C-013-000 | 25 | 11 | 0.58 | | 1.7 |
| 1.3 | 2.5 | | WD020B-013-000 | 25 | 14 | 0.79 | | 1.7 |
| 1.7 | 1.1 | | WD020C-017-000 | 26 | 11 | 0.34 | | 2.2 |
| 1.7 | 1.7 | | WD020B-017-000 | 25 | 14 | 0.43 | | 2.2 |
| 1.7 | 2.3 | | WD024E-017-000 | 29 | 13 | 0.45 | | 2.2 |
| 2.2 | 1 | | WD020B-022-000 | 25 | 14 | 0.25 | | 2.9 |
| 2.2 | 1.5 | | WD024E-022-000 | 29 | 13 | 0.3 | | 2.9 |
| 2.2 | 2.3 | | WD027E-022-000 | 31 | 16 | 0.41 | | 2.9 |
| 2.6 | 1.2 | | WD024E-026-000 | 29 | 13 | 0.21 | | 3.4 |
| 2.6 | 1.7 | | WD027E-026-000 | 31 | 16 | 0.28 | | 3.4 |
| 2.6 | 3.4 | | WD033H-026-000 | 39 | 17 | 0.35 | | 3.4 |
| 3 | 1.4 | | WD027E-030-000 | 31 | 16 | 0.23 | | 4 |
| 3 | 2.8 | | WD033H-030-000 | 39 | 17 | 0.28 | | 4 |
| 3 | 2.3 | 70 | WD040E-030-070 | 47 | 22 | 0.4 | 150 | 4 |
| 3 | 3 | 80 | WD040E-030-080 | 47 | 22 | 0.41 | 165 | 4 |
| 3 | 4.4 | 150 | WD047C-030-150 | 51 | 23 | 0.56 | 310 | 4 |
| 3 | 6.3 | 180 | WD047C-030-180 | 54 | 24 | 0.67 | 370 | 4 |
| 3 | 7.8 | 200 | WD047C-030-200 | 54 | 24 | 0.59 | 420 | 4 |

Dimmer chokes

| Current Normal cooling Amps | L (nom) mH | Rise-time (approx) 230V usec | Part no | Diameter (nom.) mm | Thickness (nom.) mm | R (nom.) Ohms | Rise-time (approx) 110V usec | Current Fan cooling Amps |
|-----------------------------|------------|------------------------------|----------------|--------------------|---------------------|---------------|------------------------------|--------------------------|
| 3.5 | 0.9 | | WD027E-035-000 | 31 | 16 | 0.16 | | 4.5 |
| 3.5 | 1.9 | | WD033H-035-000 | 39 | 17 | 0.21 | | 4.5 |
| 3.5 | 1.7 | 60 | WD040E-035-060 | 47 | 22 | 0.31 | 120 | 4.5 |
| 3.5 | 2.3 | 70 | WD040E-035-070 | 47 | 22 | 0.28 | 150 | 4.5 |
| 3.5 | 3 | 80 | WD040E-035-080 | 47 | 22 | 0.28 | 165 | 4.5 |
| 3.5 | 4.4 | 150 | WD047C-035-150 | 54 | 24 | 0.45 | 310 | 4.5 |
| 3.5 | 6.3 | 180 | WD047C-035-180 | 54 | 24 | 0.47 | 370 | 4.5 |
| 3.5 | 7.8 | 200 | WD047C-035-200 | 54 | 24 | 0.46 | 420 | 4.5 |
| 4 | 1.2 | | WD033H-040-000 | 39 | 17 | 0.15 | | 5 |
| 4 | 1.4 | | WD036A-040-000 | 43 | 18 | 0.16 | | 5 |
| 4 | 1.2 | 50 | WD040E-040-050 | 47 | 22 | 0.23 | 100 | 5 |
| 4 | 1.7 | 60 | WD040E-040-060 | 47 | 22 | 0.21 | 120 | 5 |
| 4 | 2.3 | 70 | WD040E-040-070 | 47 | 22 | 0.22 | 150 | 5 |
| 4 | 3 | 80 | WD040E-040-080 | 47 | 22 | 0.23 | 165 | 5 |
| 4 | 2.8 | 120 | WD047C-040-120 | 52 | 23 | 0.36 | 250 | 5 |
| 4 | 4.4 | 150 | WD047C-040-150 | 54 | 24 | 0.35 | 310 | 5 |
| 4 | 6.3 | 180 | WD047C-040-180 | 54 | 24 | 0.37 | 370 | 5 |
| 4 | 3.3 | 200 | WD051D-040-200 | 56 | 33 | 0.45 | 420 | 5 |
| 4.5 | 1.1 | | WD033H-045-000 | 39 | 17 | 0.13 | | 6 |
| 4.5 | 1.3 | | WD036A-045-000 | 43 | 18 | 0.14 | | 6 |
| 4.5 | 1.2 | 50 | WD040E-045-050 | 47 | 22 | 0.18 | 100 | 6 |
| 4.5 | 1.7 | 60 | WD040E-045-060 | 47 | 22 | 0.17 | 120 | 6 |
| 4.5 | 2.3 | 70 | WD040E-045-070 | 47 | 22 | 0.18 | 150 | 6 |
| 4.5 | 1.8 | 100 | WD047C-045-100 | 52 | 23 | 0.26 | 200 | 6 |
| 4.5 | 2.8 | 120 | WD047C-045-120 | 52 | 23 | 0.28 | 250 | 6 |
| 4.5 | 4.4 | 150 | WD047C-045-150 | 51 | 23 | 0.25 | 310 | 6 |
| 4.5 | 5.5 | 200 | WD051D-045-200 | 56 | 33 | 0.35 | 420 | 6 |
| 5 | 0.8 | | WD033H-050-000 | 40 | 17 | 0.096 | | 7 |
| 5 | 1 | | WD036A-050-000 | 43 | 18 | 0.1 | | 7 |
| 5 | 1.2 | 50 | WD040E-050-050 | 47 | 22 | 0.14 | 100 | 7 |
| 5 | 1.7 | 60 | WD040E-050-060 | 47 | 22 | 0.14 | 120 | 7 |
| 5 | 1.3 | 80 | WD047C-050-080 | 51 | 23 | 0.21 | 165 | 7 |
| 5 | 1.8 | 100 | WD047C-050-100 | 52 | 23 | 0.23 | 200 | 7 |
| 5 | 2.8 | 120 | WD047C-050-120 | 51 | 25 | 0.22 | 250 | 7 |
| 5 | 3.2 | 130 | WD047C-050-130 | 55 | 26 | 0.22 | 270 | 7 |
| 5 | 2.6 | 180 | WD051D-050-180 | 56 | 33 | 0.28 | 370 | 7 |
| 5 | 3.3 | 200 | WD051D-050-200 | 56 | 33 | 0.28 | 420 | 7 |
| 5 | 5.5 | 260 | WD051D-050-260 | 58 | 32 | 0.29 | 540 | 7 |
| 6 | 0.6 | | WD033H-060-000 | 41 | 17 | 0.078 | | 8 |
| 6 | 0.9 | | WD036A-060-000 | 43 | 18 | 0.085 | | 8 |
| 6 | 1.2 | 50 | WD040E-060-050 | 47 | 22 | 0.1 | 100 | 8 |
| 6 | 1 | 70 | WD047C-060-070 | 51 | 23 | 0.15 | 150 | 8 |
| 6 | 1.3 | 80 | WD047C-060-080 | 51 | 25 | 0.15 | 165 | 8 |
| 6 | 1.8 | 100 | WD047C-060-100 | 51 | 23 | 0.16 | 200 | 8 |
| 6 | 2.6 | 120 | WD047C-060-120 | 55 | 25 | 0.15 | 240 | 8 |
| 6 | 1.8 | 150 | WD051D-060-150 | 56 | 33 | 0.21 | 310 | 8 |
| 6 | 2.6 | 180 | WD051D-060-180 | 56 | 33 | 0.23 | 370 | 8 |
| 6 | 3.3 | 200 | WD051D-060-200 | 56 | 33 | 0.2 | 420 | 8 |
| 6 | 3.7 | 250 | WD063A-060-250 | 70 | 33 | 0.26 | 510 | 8 |

Dimmer chokes



| Current Normal cooling Amps | L (nom) mH | Rise-time (approx) 230V usec | Part no | Diameter (nom.) mm | Thickness (nom.) mm | R (nom.) Ohms | Rise-time (approx) 110V usec | Current Fan cooling Amps |
|-----------------------------|------------|------------------------------|----------------|--------------------|---------------------|---------------|------------------------------|--------------------------|
| 7 | 0.7 | 60 | WD047C-070-060 | 51 | 23 | 0.11 | 120 | 9.5 |
| 7 | 1 | 70 | WD047C-070-070 | 51 | 23 | 0.12 | 150 | 9.5 |
| 7 | 1.3 | 80 | WD047C-070-080 | 51 | 23 | 0.12 | 165 | 9.5 |
| 7 | 1.8 | 100 | WD047C-070-100 | 51 | 23 | 0.12 | 200 | 9.5 |
| 7 | 1.2 | 120 | WD051D-070-120 | 56 | 33 | 0.15 | 250 | 9.5 |
| 7 | 1.8 | 150 | WD051D-070-150 | 56 | 33 | 0.15 | 310 | 9.5 |
| 7 | 2.6 | 180 | WD051D-070-180 | 56 | 33 | 0.16 | 370 | 9.5 |
| 7 | 2.9 | 190 | WD051D-070-190 | 58 | 32 | 0.15 | 400 | 9.5 |
| 7 | 2.4 | 200 | WD063A-070-200 | 68 | 32 | 0.19 | 410 | 9.5 |
| 7 | 3.7 | 250 | WD063A-070-250 | 70 | 33 | 0.21 | 510 | 9.5 |
| 7 | 5.7 | 310 | WD063A-070-310 | 70 | 35 | 0.21 | 640 | 9.5 |
| 8 | 0.7 | 60 | WD047C-080-060 | 51 | 23 | 0.092 | 120 | 11 |
| 8 | 1 | 70 | WD047C-080-070 | 51 | 23 | 0.086 | 150 | 11 |
| 8 | 1.3 | 80 | WD047C-080-080 | 51 | 23 | 0.089 | 165 | 11 |
| 8 | 0.8 | 100 | WD051D-080-100 | 56 | 33 | 0.13 | 200 | 11 |
| 8 | 1.2 | 120 | WD051D-080-120 | 56 | 33 | 0.12 | 250 | 11 |
| 8 | 1.8 | 150 | WD051D-080-150 | 56 | 33 | 0.12 | 310 | 11 |
| 8 | 2.6 | 180 | WD051D-080-180 | 56 | 33 | 0.13 | 370 | 11 |
| 8 | 2.4 | 200 | WD063A-080-200 | 68 | 32 | 0.17 | 410 | 11 |
| 8 | 3.8 | 250 | WD063A-080-250 | 68 | 32 | 0.15 | 520 | 11 |
| 8 | 4.7 | 280 | WD063A-080-280 | 70 | 35 | 0.15 | 580 | 11 |
| 8 | 4.1 | 300 | WD077H-080-300 | 83 | 34 | 0.19 | 620 | 11 |
| 8 | 5.6 | 350 | WD077H-080-350 | 83 | 34 | 0.2 | 730 | 11 |
| 8 | 7.3 | 400 | WD077H-080-400 | 87 | 37 | 0.19 | 830 | 11 |
| 9 | 0.7 | 60 | WD047C-090-060 | 51 | 23 | 0.074 | 120 | 12 |
| 9 | 1 | 70 | WD047C-090-070 | 51 | 23 | 0.069 | 150 | 12 |
| 9 | 0.8 | 100 | WD051D-090-100 | 56 | 33 | 0.1 | 200 | 12 |
| 9 | 1.2 | 120 | WD051D-090-120 | 56 | 33 | 0.099 | 250 | 12 |
| 9 | 1.8 | 150 | WD051D-090-150 | 56 | 33 | 0.099 | 310 | 12 |
| 9 | 2 | 180 | WD063A-090-180 | 68 | 32 | 0.14 | 370 | 12 |
| 9 | 2.4 | 200 | WD063A-090-200 | 68 | 32 | 0.13 | 410 | 12 |
| 9 | 3.8 | 250 | WD063A-090-250 | 68 | 32 | 0.15 | 520 | 12 |
| 9 | 4.2 | 260 | WD063A-090-260 | 70 | 36 | 0.12 | 540 | 12 |
| 9 | 4.1 | 300 | WD077H-090-300 | 83 | 34 | 0.15 | 620 | 12 |
| 9 | 5.6 | 350 | WD077H-090-350 | 87 | 37 | 0.15 | 730 | 12 |
| 9 | 7.3 | 400 | WD077H-090-400 | 87 | 37 | 0.15 | 830 | 12 |
| 10 | 0.7 | 60 | WD047C-100-060 | 51 | 23 | 0.059 | 120 | 13 |
| 10 | 0.8 | 100 | WD051D-100-100 | 56 | 33 | 0.083 | 200 | 13 |
| 10 | 1.2 | 120 | WD051D-100-120 | 56 | 33 | 0.079 | 250 | 13 |
| 10 | 1.8 | 150 | WD051D-100-150 | 56 | 33 | 0.075 | 310 | 13 |
| 10 | 2 | 180 | WD063A-100-180 | 68 | 32 | 0.11 | 370 | 13 |
| 10 | 2.4 | 200 | WD063A-100-200 | 68 | 32 | 0.11 | 410 | 13 |
| 10 | 2.7 | 210 | WD063A-100-210 | 70 | 35 | 0.1 | 430 | 13 |
| 10 | 2.9 | 250 | WD077H-100-250 | 83 | 34 | 0.12 | 520 | 13 |
| 10 | 4.1 | 300 | WD077H-100-300 | 83 | 34 | 0.13 | 620 | 13 |
| 10 | 5.6 | 350 | WD077H-100-350 | 87 | 37 | 0.12 | 730 | 13 |
| 10 | 6.9 | 390 | WD077H-100-390 | 87 | 37 | 0.13 | 800 | 13 |
| 10 | 4.8 | 400 | WD077J-100-400 | 84 | 47 | 0.15 | 830 | 13 |

Almag Division, Carnhill Transformers Ltd, 4 Edison Road, St Ives, Cambs, PE27 3LT, UK

Tel +44 (0)1480-462978

Fax +44 (0)1480-496196

E-mail sales@carnhill.co.uk

Dimmer chokes



| Current Normal cooling Amps | L (nom) mH | Rise-time (approx) 230V usec | Part no | Diameter (nom.) mm | Thickness (nom.) mm | R (nom.) Ohms | Rise-time (approx) 110V usec | Current Fan cooling Amps |
|-----------------------------|------------|------------------------------|----------------|--------------------|---------------------|---------------|------------------------------|--------------------------|
| 11 | 0.8 | 100 | WD051D-110-100 | 56 | 33 | 0.066 | 200 | 15 |
| 11 | 1.2 | 120 | WD051D-110-120 | 56 | 33 | 0.069 | 250 | 15 |
| 11 | 1.5 | 140 | WD051D-110-140 | 58 | 33 | 0.06 | 280 | 15 |
| 11 | 1.4 | 150 | WD063A-110-150 | 68 | 32 | 0.084 | 310 | 15 |
| 11 | 2 | 180 | WD063A-110-180 | 68 | 32 | 0.086 | 370 | 15 |
| 11 | 2.4 | 200 | WD063A-110-200 | 68 | 32 | 0.083 | 410 | 15 |
| 11 | 2.9 | 250 | WD077H-110-250 | 83 | 34 | 0.11 | 520 | 15 |
| 11 | 4.1 | 300 | WD077H-110-300 | 87 | 37 | 0.1 | 620 | 15 |
| 11 | 5.6 | 350 | WD077H-110-350 | 87 | 37 | 0.1 | 730 | 15 |
| 11 | 4.8 | 400 | WD077J-110-400 | 84 | 47 | 0.13 | 830 | 15 |
| 12 | 0.51 | 80 | WD051D-120-080 | 56 | 33 | 0.053 | 165 | 16 |
| 12 | 0.8 | 100 | WD051D-120-100 | 56 | 33 | 0.058 | 200 | 16 |
| 12 | 1.2 | 120 | WD051D-120-120 | 56 | 33 | 0.06 | 250 | 16 |
| 12 | 1.4 | 150 | WD063A-120-150 | 68 | 32 | 0.073 | 310 | 16 |
| 12 | 2 | 180 | WD063A-120-180 | 68 | 32 | 0.076 | 370 | 16 |
| 12 | 1.8 | 200 | WD077H-120-200 | 83 | 34 | 0.085 | 410 | 16 |
| 12 | 2.9 | 250 | WD077H-120-250 | 84 | 35 | 0.086 | 520 | 16 |
| 12 | 4.1 | 300 | WD077H-120-300 | 87 | 37 | 0.092 | 620 | 16 |
| 12 | 3.6 | 350 | WD077J-120-350 | 85 | 48 | 0.1 | 720 | 16 |
| 12 | 4.8 | 400 | WD077J-120-400 | 85 | 48 | 0.12 | 830 | 16 |
| 13 | 0.51 | 80 | WD051D-130-080 | 56 | 33 | 0.046 | 165 | 17 |
| 13 | 0.8 | 100 | WD051D-130-100 | 56 | 33 | 0.051 | 200 | 17 |
| 13 | 0.8 | 120 | WD063A-130-120 | 68 | 32 | 0.064 | 240 | 17 |
| 13 | 1.4 | 150 | WD063A-130-150 | 68 | 32 | 0.064 | 310 | 17 |
| 13 | 1.6 | 165 | WD063A-130-165 | 71 | 36 | 0.061 | 340 | 17 |
| 13 | 1.4 | 180 | WD077H-130-180 | 83 | 34 | 0.077 | 370 | 17 |
| 13 | 1.8 | 200 | WD077H-130-200 | 83 | 34 | 0.076 | 410 | 17 |
| 13 | 2.9 | 250 | WD077H-130-250 | 86 | 35 | 0.077 | 520 | 17 |
| 13 | 2.6 | 300 | WD077J-130-300 | 85 | 48 | 0.089 | 620 | 17 |
| 13 | 3.6 | 350 | WD077J-130-350 | 87 | 48 | 0.093 | 720 | 17 |
| 13 | 4.2 | 370 | WD077J-130-370 | 86 | 52 | 0.09 | 770 | 17 |
| 15 | 0.41 | 70 | WD051D-150-070 | 56 | 33 | 0.036 | 150 | 20 |
| 15 | 0.51 | 80 | WD051D-150-080 | 56 | 33 | 0.036 | 165 | 20 |
| 15 | 0.6 | 100 | WD063A-150-100 | 68 | 32 | 0.043 | 200 | 20 |
| 15 | 0.8 | 120 | WD063A-150-120 | 68 | 32 | 0.049 | 240 | 20 |
| 15 | 1 | 130 | WD063A-150-130 | 70 | 35 | 0.044 | 270 | 20 |
| 15 | 1 | 150 | WD077H-150-150 | 83 | 34 | 0.058 | 310 | 20 |
| 15 | 1.4 | 180 | WD077H-150-180 | 86 | 35 | 0.054 | 370 | 20 |
| 15 | 1.8 | 200 | WD077H-150-200 | 86 | 35 | 0.06 | 410 | 20 |
| 15 | 2.4 | 230 | WD077H-150-230 | 86 | 37 | 0.056 | 480 | 20 |
| 15 | 2.6 | 300 | WD077J-150-300 | 87 | 48 | 0.064 | 620 | 20 |
| 15 | 3.6 | 350 | WD077J-150-330 | 87 | 48 | 0.075 | 720 | 20 |
| 16 | 0.41 | 70 | WD051D-160-070 | 56 | 33 | 0.032 | 150 | 21 |
| 16 | 0.51 | 80 | WD051D-160-080 | 56 | 33 | 0.032 | 165 | 21 |
| 16 | 0.6 | 100 | WD063A-160-100 | 70 | 32 | 0.037 | 200 | 21 |
| 16 | 0.8 | 120 | WD063A-160-120 | 70 | 32 | 0.039 | 240 | 21 |
| 16 | 1 | 150 | WD077H-160-150 | 84 | 35 | 0.052 | 310 | 21 |
| 16 | 1.4 | 180 | WD077H-160-180 | 86 | 35 | 0.049 | 370 | 21 |
| 16 | 1.8 | 200 | WD077H-160-200 | 86 | 35 | 0.049 | 410 | 21 |
| 16 | 2.2 | 220 | WD077H-160-220 | 87 | 38 | 0.048 | 450 | 21 |
| 16 | 1.9 | 250 | WD077J-160-250 | 87 | 48 | 0.062 | 520 | 21 |

Dimmer chokes

Almag

| Current Normal cooling Amps | L (nom) mH | Rise-time (approx) 230V usec | Part no | Diameter (nom.) mm | Thickness (nom.) mm | R (nom.) Ohms | Rise-time (approx) 110V usec | Current Fan cooling Amps |
|-----------------------------|------------|------------------------------|----------------|--------------------|---------------------|---------------|------------------------------|--------------------------|
| 16 | 2.6 | 300 | WD077J-160-300 | 88 | 50 | 0.057 | 620 | 21 |
| 16 | 3.2 | 330 | WD077J-160-330 | 88 | 52 | 0.064 | 680 | 21 |
| 16 | 2.3 | 350 | WD102A-160-350 | 109 | 41 | 0.066 | 730 | 21 |
| 16 | 2.9 | 400 | WD102A-160-400 | 110 | 44 | 0.067 | 830 | 21 |
| 18 | 0.41 | 70 | WD051D-180-070 | 61 | 34 | 0.024 | 150 | 24 |
| 18 | 0.46 | 75 | WD051D-180-075 | 58 | 35 | 0.022 | 155 | 24 |
| 18 | 0.6 | 100 | WD063A-180-100 | 70 | 32 | 0.033 | 200 | 24 |
| 18 | 0.8 | 110 | WD063A-180-110 | 70 | 35 | 0.031 | 230 | 24 |
| 18 | 0.7 | 120 | WD077H-180-120 | 84 | 32 | 0.042 | 250 | 24 |
| 18 | 1 | 150 | WD077H-180-150 | 86 | 35 | 0.042 | 310 | 24 |
| 18 | 1.4 | 180 | WD077H-180-180 | 87 | 37 | 0.039 | 370 | 24 |
| 18 | 1.8 | 200 | WD077H-180-200 | 87 | 38 | 0.039 | 410 | 24 |
| 18 | 1.9 | 250 | WD077J-180-250 | 88 | 50 | 0.049 | 520 | 24 |
| 18 | 2.6 | 300 | WD077J-180-300 | 88 | 51 | 0.046 | 620 | 24 |
| 18 | 2.3 | 350 | WD102A-180-350 | 111 | 45 | 0.053 | 730 | 24 |
| 18 | 2.9 | 400 | WD102A-180-400 | 111 | 46 | 0.054 | 830 | 24 |
| 20 | 0.41 | 70 | WD051D-200-070 | 61 | 34 | 0.021 | 150 | 27 |
| 20 | 0.6 | 100 | WD063A-200-100 | 69 | 33 | 0.027 | 200 | 27 |
| 20 | 0.7 | 105 | WD063A-200-105 | 69 | 33 | 0.025 | 210 | 27 |
| 20 | 0.7 | 120 | WD077H-200-120 | 86 | 33 | 0.034 | 250 | 27 |
| 20 | 1 | 150 | WD077H-200-150 | 87 | 37 | 0.033 | 310 | 27 |
| 20 | 1.4 | 180 | WD077H-200-180 | 87 | 38 | 0.031 | 370 | 27 |
| 20 | 1.8 | 200 | WD077H-200-200 | 87 | 38 | 0.035 | 410 | 27 |
| 20 | 1.9 | 250 | WD077J-200-250 | 88 | 51 | 0.039 | 520 | 27 |
| 20 | 1.7 | 300 | WD102A-200-300 | 111 | 45 | 0.045 | 620 | 27 |
| 20 | 2.3 | 350 | WD102A-200-350 | 112 | 47 | 0.042 | 730 | 27 |
| 20 | 2.9 | 400 | WD102A-200-400 | 113 | 47 | 0.043 | 830 | 27 |
| 23 | 0.25 | 55 | WD051D-230-055 | 58 | 35 | 0.014 | 120 | 31 |
| 23 | 0.6 | 100 | WD063A-230-100 | 69 | 33 | 0.021 | 200 | 31 |
| 23 | 0.7 | 120 | WD077H-230-120 | 87 | 38 | 0.024 | 250 | 31 |
| 23 | 1 | 150 | WD077H-230-150 | 87 | 38 | 0.024 | 310 | 31 |
| 23 | 1.4 | 180 | WD077H-230-180 | 87 | 38 | 0.025 | 370 | 31 |
| 23 | 1.2 | 200 | WD077J-230-200 | 88 | 51 | 0.028 | 420 | 31 |
| 23 | 1.9 | 250 | WD077J-230-250 | 90 | 54 | 0.031 | 520 | 31 |
| 23 | 1.7 | 300 | WD102A-230-300 | 113 | 47 | 0.032 | 620 | 31 |
| 23 | 2.3 | 350 | WD102A-230-350 | 113 | 47 | 0.034 | 730 | 31 |
| 23 | 2.7 | 380 | WD102A-230-380 | 112 | 46 | 0.032 | 800 | 31 |
| 25 | 0.7 | 120 | WD077H-250-120 | 87 | 38 | 0.021 | 250 | 33 |
| 25 | 1 | 150 | WD077H-250-150 | 87 | 38 | 0.021 | 310 | 33 |
| 25 | 1 | 180 | WD077J-250-180 | 88 | 51 | 0.025 | 370 | 33 |
| 25 | 1.2 | 200 | WD077J-250-200 | 88 | 51 | 0.025 | 420 | 33 |
| 25 | 1.5 | 220 | WD077J-250-220 | 90 | 54 | 0.028 | 460 | 33 |
| 25 | 1.2 | 250 | WD102A-250-250 | 113 | 47 | 0.027 | 520 | 33 |
| 25 | 1.7 | 300 | WD102A-250-300 | 113 | 47 | 0.029 | 620 | 33 |
| 25 | 2.3 | 350 | WD102A-250-350 | 113 | 47 | 0.026 | 730 | 33 |
| 25 | 2.5 | 370 | WD102A-250-370 | 113 | 47 | 0.028 | 760 | 33 |
| 28 | 0.45 | 100 | WD077H-280-100 | 87 | 38 | 0.016 | 200 | 37 |
| 28 | 0.7 | 120 | WD077H-280-120 | 87 | 38 | 0.017 | 250 | 37 |
| 28 | 0.7 | 150 | WD077J-280-150 | 88 | 51 | 0.021 | 310 | 37 |
| 28 | 0.6 | 180 | WD102A-280-180 | 112 | 43 | 0.022 | 370 | 37 |
| 28 | 0.7 | 200 | WD102A-280-200 | 113 | 43 | 0.021 | 420 | 37 |

Almag Division, Carnhill Transformers Ltd, 4 Edison Road, St Ives, Cambs, PE27 3LT, UK

Tel +44 (0)1480-462978

Fax +44 (0)1480-496196

E-mail sales@carnhill.co.uk

Dimmer chokes

| Current Normal cooling Amps | L (nom) mH | Rise-time (approx) 230V usec | Part no | Diameter (nom.) mm | Thickness (nom.) mm | R (nom.) Ohms | Rise-time (approx) 110V usec | Current Fan cooling Amps |
|-----------------------------|------------|------------------------------|----------------|--------------------|---------------------|---------------|------------------------------|--------------------------|
| 28 | 1.2 | 250 | WD102A-280-250 | 113 | 47 | 0.024 | 520 | 37 |
| 28 | 1.7 | 300 | WD102A-280-300 | 113 | 47 | 0.023 | 620 | 37 |
| 28 | 2.3 | 350 | WD102A-280-350 | 115 | 50 | 0.024 | 730 | 37 |
| 30 | 0.45 | 100 | WD077H-300-100 | 87 | 38 | 0.014 | 200 | 40 |
| 30 | 0.56 | 110 | WD077H-300-110 | 87 | 38 | 0.012 | 230 | 40 |
| 30 | 0.43 | 120 | WD077J-300-120 | 88 | 48 | 0.017 | 250 | 40 |
| 30 | 0.7 | 150 | WD077J-300-150 | 88 | 51 | 0.019 | 310 | 40 |
| 30 | 0.8 | 170 | WD077J-300-170 | 87 | 52 | 0.016 | 340 | 40 |
| 30 | 0.6 | 180 | WD102A-300-180 | 112 | 43 | 0.02 | 370 | 40 |
| 30 | 0.7 | 200 | WD102A-300-200 | 112 | 43 | 0.019 | 420 | 40 |
| 30 | 1.1 | 250 | WD102A-300-250 | 113 | 47 | 0.019 | 520 | 40 |
| 30 | 1.7 | 300 | WD102A-300-300 | 115 | 50 | 0.02 | 620 | 40 |
| 33 | 0.45 | 100 | WD077H-330-100 | 86 | 38 | 0.011 | 200 | 45 |
| 33 | 0.43 | 120 | WD077J-330-120 | 88 | 48 | 0.015 | 250 | 45 |
| 33 | 0.7 | 150 | WD077J-330-150 | 87 | 51 | 0.013 | 310 | 45 |
| 33 | 0.8 | 160 | WD077J-330-160 | 88 | 53 | 0.014 | 330 | 45 |
| 33 | 0.6 | 180 | WD102A-330-180 | 112 | 44 | 0.015 | 370 | 45 |
| 33 | 0.7 | 200 | WD102A-330-200 | 112 | 44 | 0.017 | 420 | 45 |
| 33 | 1.2 | 250 | WD102A-330-250 | 115 | 50 | 0.017 | 520 | 45 |
| 33 | 1.4 | 280 | WD102A-330-280 | 114 | 48 | 0.016 | 570 | 45 |
| 40 | 0.57 | 140 | WD077J-400-140 | 90 | 54 | 0.01 | 280 | 54 |
| 40 | 0.42 | 150 | WD102A-400-150 | 114 | 45 | 0.01 | 310 | 54 |
| 40 | 0.6 | 180 | WD102A-400-180 | 115 | 50 | 0.011 | 370 | 54 |
| 40 | 0.7 | 200 | WD102A-400-200 | 116 | 48 | 0.011 | 420 | 54 |
| 40 | 0.83 | 220 | WD132A-400-220 | 148 | 37 | 0.012 | 450 | 54 |
| 43 | 0.5 | 130 | WD077J-400130 | 91 | 54 | 0.0082 | 270 | 58 |
| 43 | 0.42 | 150 | WD102A-430-150 | 115 | 46 | 0.0094 | 310 | 58 |
| 43 | 0.6 | 180 | WD102A-430-180 | 116 | 48 | 0.01 | 370 | 58 |
| 43 | 0.7 | 200 | WD102A-430-200 | 117 | 49 | 0.0088 | 420 | 58 |
| 45 | 0.72 | 200 | WD132A-450-200 | 148 | 37 | 0.01 | 420 | 58 |
| 50 | 0.28 | 100 | WD077J-500-100 | 91 | 54 | 0.0062 | 210 | 67 |
| 50 | 0.42 | 150 | WD102A-500-150 | 118 | 50 | 0.0066 | 310 | 67 |
| 50 | 0.6 | 180 | WD102A-500-180 | 118 | 50 | 0.0077 | 370 | 67 |
| 50 | 0.64 | 190 | WD132A-500-190 | 148 | 37 | 0.0083 | 400 | 67 |
| 55 | 0.42 | 150 | WD102A-550-150 | 119 | 51 | 0.006 | 310 | 75 |
| 55 | 0.56 | 180 | WD102A-550-180 | 119 | 51 | 0.0068 | 370 | 75 |
| 55 | 0.56 | 180 | WD132A-550-180 | 148 | 37 | 0.0069 | 370 | 75 |
| 60 | 0.3 | 130 | WD102A-600-130 | 119 | 51 | 0.0051 | 270 | 80 |
| 60 | 0.42 | 150 | WD102A-600-150 | 119 | 51 | 0.0053 | 310 | 80 |
| 60 | 0.41 | 150 | WD132A-600-150 | 148 | 37 | 0.0059 | 310 | 80 |
| 65 | 0.22 | 110 | WD102A-650-110 | 119 | 51 | 0.0043 | 230 | 90 |
| 65 | 0.3 | 120 | WD102A-650-130 | 119 | 51 | 0.0045 | 250 | 90 |
| 65 | 0.29 | 130 | WD132A-650-130 | 148 | 37 | 0.005 | 260 | 90 |
| 65 | 0.58 | 260 | WD132B-650-260 | 151 | 60 | 0.007 | 530 | 90 |
| 70 | 0.22 | 110 | WD102A-700-110 | 119 | 51 | 0.0038 | 230 | 100 |
| 70 | 0.22 | 110 | WD132A-700-110 | 148 | 37 | 0.0043 | 230 | 100 |
| 70 | 0.43 | 220 | WD132B-700-220 | 151 | 60 | 0.006 | 450 | 100 |
| 75 | 0.34 | 200 | WD132B-750-200 | 151 | 60 | 0.0054 | 410 | 105 |
| 80 | 0.28 | 180 | WD132B-800-180 | 151 | 60 | 0.0049 | 370 | 115 |

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