

Carbon Film EOL Notification

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|------------------|------------------|
| PCN Number | EUR-CFEOL-130924 |
| Publication Date | 13/09/2024 |
| Effectivity Date | Immediate |
| Change Summary | END OF LIFE |
| Last Time Buy | N.A |
| Last Time Ship | N.A |

Functionality change

Eurohm through-hole axial Carbon Film resistors are end of life now End of Life

Details of Change

We have been informed by Eurohm that all through-hole axial Carbon Film resistors will be discontinued with immediate effect.

There are Metal Film alternatives available on some of the series. There may be some electrical and physical differences which should be checked for compatibility. Please contact our sales desk for more information.

The full list of part numbers is detailed below along with possible Metal Film alternative.

Reason for change

Due to decreasing market demand for Carbon Film resistors over recent years.

Data sheets for both the Carbon Film and Metal Film series are attached for your reference. These changes apply with immediate effect to shipments from manufacturer to Anglia.

Anglia operates a strict FIFO system in our Distribution Centre facility; therefore, it may take time for this change to filter through to customer deliveries of the below part number(s).

Please make the relevant person(s) in your organisation aware of this change.

Yours Sincerely

Anglia

Anglia Components plc

VAT Reg. No. GB 282 0548 62

Registration No. 4233823 (England)

Carbon to Metal Film - Suggested Alternatives

| | EOL Part | Suggest Alt. 1 | Suggest Alt. 2 | Suggest Alt. 3 | EOL Part | Suggest Alt. | EOL Part | Suggest Alt. | EOL Part* | EOL Part* |
|-------|----------|----------------|-------------------------|----------------|----------|--------------|----------|--------------|-----------|-----------|
| Value | CF 1/8W | MF 1/4W | MF 0.4W (Better Fit) | MF 0.6W | CF 1/4W | MF 1/4W | CF 1/2W | MF 0.6W | CF 1W | CF 2W |
| 1R0 | 000109 | 006109D | | | 006109 | 006109D | 001109A | 002109K | 003109A | 004109A |
| 1R1 | 000119 | | | 002119 | 006119 | | 001119A | 002119K | | |
| 1R2 | 000129 | | | 002129 | 006129 | | 001129A | 002129K | 003129A | 004129A |
| 1R3 | 000139 | | | 002139 | 006139 | | 001139A | 002139K | | |
| 1R5 | 000159 | | | 002159 | 006159 | | 001159A | 002159K | 003159A | 004159A |
| 1R6 | 000169 | | | 002169 | 006169 | | 001169A | 002169K | | |
| 1R8 | 000189 | | | 002189 | 006189 | | 001189A | 002189K | 003189A | 004189A |
| 2R0 | 000209 | | | 002209 | 006209 | | 001209A | 002209K | | |
| 2R2 | 000229 | 006229D | | | 006229 | 006229D | 001229A | 002229K | 003229A | 004229A |
| 2R4 | 000249 | | | 002249 | 006249 | | 001249A | 002249K | | |
| 2R7 | 000279 | | | 002279 | 006279 | | 001279A | 002279K | 003279A | 004279A |
| 3R0 | 000309 | | | 002309 | 006309 | | 001309A | 002309K | | |
| 3R3 | 000339 | | | 002339 | 006339 | | 001339A | 002339K | 003339A | 004339A |
| 3R6 | 000369 | | | 002369 | 006369 | | 001369A | 002369K | | |
| 3R9 | 000399 | | | 002399 | 006399 | | 001399A | 002399K | 003399A | 004399A |
| 4R3 | 000439 | | | 002439 | 006439 | | 001439A | 002439K | | |
| 4R7 | 000479 | 006479D | | | 006479 | 006479D | 001479A | 002479K | 003479A | 004479A |
| 5R1 | 000519 | 006519D | | | 006519 | 006519D | 001519A | 002519K | | |
| 5R6 | 000569 | 006569D | | | 006569 | 006569D | 001569A | 002569K | 003569A | 004569A |
| 6R2 | 000629 | 006629D | | | 006629 | 006629D | 001629A | 002629K | | |
| 6R8 | 000689 | 006689D | | | 006689 | 006689D | 001689A | 002689K | 003689A | 004689A |
| 7R5 | 000759 | 006759D | | | 006759 | 006759D | 001759A | 002759K | | |
| 8R2 | 000829 | 006829D | | | 006829 | 006829D | 001829A | 002829K | 003829A | 004829A |
| 9R1 | 000919 | 006919D | | | 006919 | 006919D | 001919A | 002919K | | |
| 10R | 000100 | 006100D | 017100 | | 006100 | 006100D | 001100A | 002100K | 003100A | 004100A |
| 11R | 000110 | 006110D | 017110 | | 006110 | 006110D | 001110A | 002110K | | |
| 12R | 000120 | 006120D | 017120 | | 006120 | 006120D | 001120A | 002120K | 003120A | 004120A |
| 13R | 000130 | 006130D | 017130 | | 006130 | 006130D | 001130A | 002130K | | |
| 15R | 000150 | 006150D | 017150 | | 006150 | 006150D | 001150A | 002150K | 003150A | 004150A |
| 16R | 000160 | 006160D | 017160 | | 006160 | 006160D | 001160A | 002160K | | |
| 18R | 000180 | 006180D | 017180 | | 006180 | 006180D | 001180A | 002180K | 003180A | 004180A |
| 20R | 000200 | 006200D | 017200 | | 006200 | 006200D | 001200A | 002200K | | |
| 22R | 000220 | 006220D | 017220 | | 006220 | 006220D | 001220A | 002220K | 003220A | 004220A |
| 24R | 000240 | 006240D | 017240 | | 006240 | 006240D | 001240A | 002240K | | |
| 27R | 000270 | 006270D | 017270 | | 006270 | 006270D | 001270A | 002270K | 003270A | 004270A |
| 30R | 000300 | 006300D | 017300 | | 006300 | 006300D | 001300A | 002300K | | |
| 33R | 000330 | 006330D | 017330 | | 006330 | 006330D | 001330A | 002330K | 003330A | 004330A |
| 36R | 000360 | 006360D | 017360 | | 006360 | 006360D | 001360A | 002360K | | |
| 39R | 000390 | 006390D | 017390 | | 006390 | 006390D | 001390A | 002390K | 003390A | 004390A |
| 43R | 000430 | 006430D | 017430 | | 006430 | 006430D | 001430A | 002430K | | |
| 47R | 000470 | 006470D | 017470 | | 006470 | 006470D | 001470A | 002470K | 003470A | 004470A |
| 51R | 000510 | 006510D | 017510 | | 006510 | 006510D | 001510A | 002510K | | |
| 56R | 000560 | 006560D | 017560 | | 006560 | 006560D | 001560A | 002560K | 003560A | 004560A |
| 62R | 000620 | 006620D | 017620 | | 006620 | 006620D | 001620A | 002620K | | |
| 68R | 000680 | 006680D | 017680 | | 006680 | 006680D | 001680A | 002680K | 003680A | 004680A |
| 75R | 000750 | 006750D | 017750 | | 006750 | 006750D | 001750A | 002750K | | |
| 82R | 000820 | 006820D | 017820 | | 006820 | 006820D | 001820A | 002820K | 003820A | 004820A |
| 91R | 000910 | 006910D | 017910 | | 006910 | 006910D | 001910A | 002910K | | |
| 100R | 000101 | 006101D | 017101 | | 006101 | 006101D | 001101A | 002101K | 003101A | 004101A |
| 110R | 000111 | 006111D | 017111 | | 006111 | 006111D | 001111A | 002111K | | |
| 120R | 000121 | 006121D | 017121 | | 006121 | 006121D | 001121A | 002121K | 003121A | 004121A |
| 130R | 000131 | 006131D | 017131 | | 006131 | 006131D | 001131A | 002131K | | |
| 150R | 000151 | 006151D | 017151 | | 006151 | 006151D | 001151A | 002151K | 003151A | 004151A |
| 160R | 000161 | 006161D | 017161 | | 006161 | 006161D | 001161A | 002161K | | |
| 180R | 000181 | 006181D | 017181 | | 006181 | 006181D | 001181A | 002181K | 003181A | 004181A |
| 200R | 000201 | 006201D | 017201 | | 006201 | 006201D | 001201A | 002201K | | |
| 220R | 000221 | 006221D | 017221 | | 006221 | 006221D | 001221A | 002221K | 003221A | 004221A |
| 240R | 000241 | 006241D | 017241 | | 006241 | 006241D | 001241A | 002241K | | |
| 270R | 000271 | 006271D | 017271 | | 006271 | 006271D | 001271A | 002271K | 003271A | 004271A |
| 300R | 000301 | 006301D | 017301 | | 006301 | 006301D | 001301A | 002301K | | |
| 330R | 000331 | 006331D | 017331 | | 006331 | 006331D | 001331A | 002331K | 003331A | 004331A |
| 360R | 000361 | 006361D | 017361 | | 006361 | 006361D | 001361A | 002361K | | |
| 390R | 000391 | 006391D | 017391 | | 006391 | 006391D | 001391A | 002391K | 003391A | 004391A |
| 430R | 000431 | 006431D | 017431 | | 006431 | 006431D | 001431A | 002431K | | |
| 470R | 000471 | 006471D | 017471 | | 006471 | 006471D | 001471A | 002471K | 003471A | 004471A |
| 510R | 000511 | 006511D | 017511 | | 006511 | 006511D | 001511A | 002511K | | |
| 560R | 000561 | 006561D | 017561 | | 006561 | 006561D | 001561A | 002561K | 003561A | 004561A |
| 620R | 000621 | 006621D | 017621 | | 006621 | 006621D | 001621A | 002621K | | |
| 680R | 000681 | 006681D | 017681 | | 006681 | 006681D | 001681A | 002681K | 003681A | 004681A |
| 750R | 000751 | 006751D | 017751 | | 006751 | 006751D | 001751A | 002751K | | |
| 820R | 000821 | 006821D | 017821 | | 006821 | 006821D | 001821A | 002821K | 003821A | 004821A |
| 910R | 000911 | 006911D | 017911 | | 006911 | 006911D | 001911A | 002911K | | |
| 1K0 | 000102 | 006102D | 017102 | | 006102 | 006102D | 001102A | 002102K | 003102A | 004102A |

Carbon to Metal Film - Suggested Alternatives

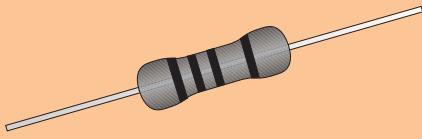
| | EOL Part | Suggest Alt. 1 | Suggest Alt. 2 | Suggest Alt. 3 | EOL Part | Suggest Alt. | EOL Part | Suggest Alt. | EOL Part* | EOL Part* |
|-------|----------|----------------|-------------------------|----------------|----------|--------------|----------|--------------|-----------|-----------|
| Value | CF 1/8W | MF 1/4W | MF 0.4W (Better Fit) | MF 0.6W | CF 1/4W | MF 1/4W | CF 1/2W | MF 0.6W | CF 1W | CF 2W |
| 1K1 | 000112 | 006112D | 017112 | | 006112 | 006112D | 001112A | 002112K | | |
| 1K2 | 000122 | 006122D | 017122 | | 006122 | 006122D | 001122A | 002122K | 003122A | 004122A |
| 1K3 | 000132 | 006132D | 017132 | | 006132 | 006132D | 001132A | 002132K | | |
| 1K5 | 000152 | 006152D | 017152 | | 006152 | 006152D | 001152A | 002152K | 003152A | 004152A |
| 1K6 | 000162 | 006162D | 017162 | | 006162 | 006162D | 001162A | 002162K | | |
| 1K8 | 000182 | 006182D | 017182 | | 006182 | 006182D | 001182A | 002182K | 003182A | 004182A |
| 2K0 | 000202 | 006202D | 017202 | | 006202 | 006202D | 001202A | 002202K | | |
| 2K2 | 000222 | 006222D | 017222 | | 006222 | 006222D | 001222A | 002222K | 003222A | 004222A |
| 2K4 | 000242 | 006242D | 017242 | | 006242 | 006242D | 001242A | 002242K | | |
| 2K7 | 000272 | 006272D | 017272 | | 006272 | 006272D | 001272A | 002272K | 003272A | 004272A |
| 3K0 | 000302 | 006302D | 017302 | | 006302 | 006302D | 001302A | 002302K | | |
| 3K3 | 000332 | 006332D | 017332 | | 006332 | 006332D | 001332A | 002332K | 003332A | 004332A |
| 3K6 | 000362 | 006362D | 017362 | | 006362 | 006362D | 001362A | 002362K | | |
| 3K9 | 000392 | 006392D | 017392 | | 006392 | 006392D | 001392A | 002392K | 003392A | 004392A |
| 4K3 | 000432 | 006432D | 017432 | | 006432 | 006432D | 001432A | 002432K | | |
| 4K7 | 000472 | 006472D | 017472 | | 006472 | 006472D | 001472A | 002472K | 003472A | 004472A |
| 5K1 | 000512 | 006512D | 017512 | | 006512 | 006512D | 001512A | 002512K | | |
| 5K6 | 000562 | 006562D | 017562 | | 006562 | 006562D | 001562A | 002562K | 003562A | 004562A |
| 6K2 | 000622 | 006622D | 017622 | | 006622 | 006622D | 001622A | 002622K | | |
| 6K8 | 000682 | 006682D | 017682 | | 006682 | 006682D | 001682A | 002682K | 003682A | 004682A |
| 7K5 | 000752 | 006752D | 017752 | | 006752 | 006752D | 001752A | 002752K | | |
| 8K2 | 000822 | 006822D | 017822 | | 006822 | 006822D | 001822A | 002822K | 003822A | 004822A |
| 9K1 | 000912 | 006912D | 017912 | | 006912 | 006912D | 001912A | 002912K | | |
| 10K | 000103 | 006103D | 017103 | | 006103 | 006103D | 001103A | 002103K | 003103A | 004103A |
| 11K | 000113 | 006113D | 017113 | | 006113 | 006113D | 001113A | 002113K | | |
| 12K | 000123 | 006123D | 017123 | | 006123 | 006123D | 001123A | 002123K | 003123A | 004123A |
| 13K | 000133 | 006133D | 017133 | | 006133 | 006133D | 001133A | 002133K | | |
| 15K | 000153 | 006153D | 017153 | | 006153 | 006153D | 001153A | 002153K | 003153A | 004153A |
| 16K | 000163 | 006163D | 017163 | | 006163 | 006163D | 001163A | 002163K | | |
| 18K | 000183 | 006183D | 017183 | | 006183 | 006183D | 001183A | 002183K | 003183A | 004183A |
| 20K | 000203 | 006203D | 017203 | | 006203 | 006203D | 001203A | 002203K | | |
| 22K | 000223 | 006223D | 017223 | | 006223 | 006223D | 001223A | 002223K | 003223A | 004223A |
| 24K | 000243 | 006243D | 017243 | | 006243 | 006243D | 001243A | 002243K | | |
| 27K | 000273 | 006273D | 017273 | | 006273 | 006273D | 001273A | 002273K | 003273A | 004273A |
| 30K | 000303 | 006303D | 017303 | | 006303 | 006303D | 001303A | 002303K | | |
| 33K | 000333 | 006333D | 017333 | | 006333 | 006333D | 001333A | 002333K | 003333A | 004333A |
| 36K | 000363 | 006363D | 017363 | | 006363 | 006363D | 001363A | 002363K | | |
| 39K | 000393 | 006393D | 017393 | | 006393 | 006393D | 001393A | 002393K | 003393A | 004393A |
| 43K | 000433 | 006433D | 017433 | | 006433 | 006433D | 001433A | 002433K | | |
| 47K | 000473 | 006473D | 017473 | | 006473 | 006473D | 001473A | 002473K | 003473A | 004473A |
| 51K | 000513 | 006513D | 017513 | | 006513 | 006513D | 001513A | 002513K | | |
| 56K | 000563 | 006563D | 017563 | | 006563 | 006563D | 001563A | 002563K | 003563A | 004563A |
| 62K | 000623 | 006623D | 017623 | | 006623 | 006623D | 001623A | 002623K | | |
| 68K | 000683 | 006683D | 017683 | | 006683 | 006683D | 001683A | 002683K | 003683A | 004683A |
| 75K | 000753 | 006753D | 017753 | | 006753 | 006753D | 001753A | 002753K | | |
| 82K | 000823 | 006823D | 017823 | | 006823 | 006823D | 001823A | 002823K | 003823A | 004823A |
| 91K | 000913 | 006913D | 017913 | | 006913 | 006913D | 001913A | 002913K | | |
| 100K | 000104 | 006104D | 017104 | | 006104 | 006104D | 001104A | 002104K | 003104A | 004104A |
| 110K | 000114 | 006114D | 017114 | | 006114 | 006114D | 001114A | 002114K | | |
| 120K | 000124 | 006124D | 017124 | | 006124 | 006124D | 001124A | 002124K | 003124A | 004124A |
| 130K | 000134 | 006134D | 017134 | | 006134 | 006134D | 001134A | 002134K | | |
| 150K | 000154 | 006154D | 017154 | | 006154 | 006154D | 001154A | 002154K | 003154A | 004154A |
| 160K | 000164 | 006164D | 017164 | | 006164 | 006164D | 001164A | 002164K | | |
| 180K | 000184 | 006184D | 017184 | | 006184 | 006184D | 001184A | 002184K | 003184A | 004184A |
| 200K | 000204 | 006204D | 017204 | | 006204 | 006204D | 001204A | 002204K | | |
| 220K | 000224 | 006224D | 017224 | | 006224 | 006224D | 001224A | 002224K | 003224A | 004224A |
| 240K | 000244 | 006244D | 017244 | | 006244 | 006244D | 001244A | 002244K | | |
| 270K | 000274 | 006274D | 017274 | | 006274 | 006274D | 001274A | 002274K | 003274A | 004274A |
| 300K | 000304 | 006304D | 017304 | | 006304 | 006304D | 001304A | 002304K | | |
| 330K | 000334 | 006334D | 017334 | | 006334 | 006334D | 001334A | 002334K | 003334A | 004334A |
| 360K | 000364 | 006364D | 017364 | | 006364 | 006364D | 001364A | 002364K | | |
| 390K | 000394 | 006394D | 017394 | | 006394 | 006394D | 001394A | 002394K | 003394A | 004394A |
| 430K | 000434 | 006434D | 017434 | | 006434 | 006434D | 001434A | 002434K | | |
| 470K | 000474 | 006474D | 017474 | | 006474 | 006474D | 001474A | 002474K | 003474A | 004474A |
| 510K | 000514 | 006514D | 017514 | | 006514 | 006514D | 001514A | 002514K | | |
| 560K | 000564 | 006564D | 017564 | | 006564 | 006564D | 001564A | 002564K | 003564A | 004564A |
| 620K | 000624 | 006624D | 017624 | | 006624 | 006624D | 001624A | 002624K | | |
| 680K | 000684 | 006684D | 017684 | | 006684 | 006684D | 001684A | 002684K | 003684A | 004684A |
| 750K | 000754 | 006754D | 017754 | | 006754 | 006754D | 001754A | 002754K | | |
| 820K | 000824 | 006824D | 017824 | | 006824 | 006824D | 001824A | 002824K | 003824A | 004824A |
| 910K | 000914 | 006914D | 017914 | | 006914 | 006914D | 001914A | 002914K | | |
| 1M0 | 000105 | 006105D | 017105 | | 006105 | 006105D | 001105A | 002105K | 003105A | 004105A |
| 1M1 | 000115 | 006115D | | | 006115 | 006115D | 001115A | 002115K | | |

Carbon to Metal Film - Suggested Alternatives

| | EOL Part | Suggest Alt. 1 | Suggest Alt. 2 | Suggest Alt. 3 | EOL Part | Suggest Alt. | EOL Part | Suggest Alt. | EOL Part* | EOL Part* |
|-------|----------|----------------|-------------------------|----------------|----------|--------------|----------|--------------|------------------------------|-----------|
| Value | CF 1/8W | MF 1/4W | MF 0.4W (Better Fit) | MF 0.6W | CF 1/4W | MF 1/4W | CF 1/2W | MF 0.6W | CF 1W | CF 2W |
| 1M2 | 000125 | 006125D | | | 006125 | 006125D | 001125A | 002125K | 003125A | 004125A |
| 1M3 | 000135 | 006135D | | | 006135 | 006135D | 001135A | 002135K | | |
| 1M5 | 000155 | 006155D | | | 006155 | 006155D | 001155A | 002155K | 003155A | 004155A |
| 1M6 | 000165 | 006165D | | | 006165 | 006165D | 001165A | 002165K | | |
| 1M8 | 000185 | 006185D | | | 006185 | 006185D | 001185A | 002185K | 003185A | 004185A |
| 2M0 | 000205 | 006205D | | | 006205 | 006205D | 001205A | 002205K | | |
| 2M2 | 000225 | 006225D | | | 006225 | 006225D | 001225A | 002225K | 003225A | 004225A |
| 2M4 | 000245 | 006245D | | | 006245 | 006245D | 001245A | 002245K | | |
| 2M7 | 000275 | 006275D | | | 006275 | 006275D | 001275A | 002275K | 003275A | 004275A |
| 3M0 | 000305 | 006305D | | | 006305 | 006305D | 001305A | 002305K | | |
| 3M3 | 000335 | 006335D | | | 006335 | 006335D | 001335A | 002335K | 003335A | 004335A |
| 3M6 | 000365 | 006365D | | | 006365 | 006365D | 001365A | 002365K | | |
| 3M9 | 000395 | 006395D | | | 006395 | 006395D | 001395A | 002395K | 003395A | 004395A |
| 4M3 | 000435 | 006435D | | | 006435 | 006435D | 001435A | 002435K | | |
| 4M7 | 000475 | 006475D | | | 006475 | 006475D | 001475A | 002475K | 003475A | 004475A |
| 5M1 | 000515 | | | | 006515 | | 001515A | 002515K | | |
| 5M6 | 000565 | | | | 006565 | | 001565A | 002565K | 003565A | 004565A |
| 6M2 | 000625 | | | | 006625 | | 001625A | 002625K | | |
| 6M8 | 000685 | | | | 006685 | | 001685A | 002685K | 003685A | 004685A |
| 7M5 | 000755 | | | | 006755 | | 001755A | 002755K | | |
| 8M2 | 000825 | | | | 006825 | | 001825A | 002825K | 003825A | 004825A |
| 9M1 | 000915 | | | | 006915 | | 001915A | 002915K | | |
| 10M | 000106 | 006106D | | | 006106 | 006106D | 001106A | 002106K | 003106A | 004106A |
| | | | | | | | | | *No Suggested Alternative | |

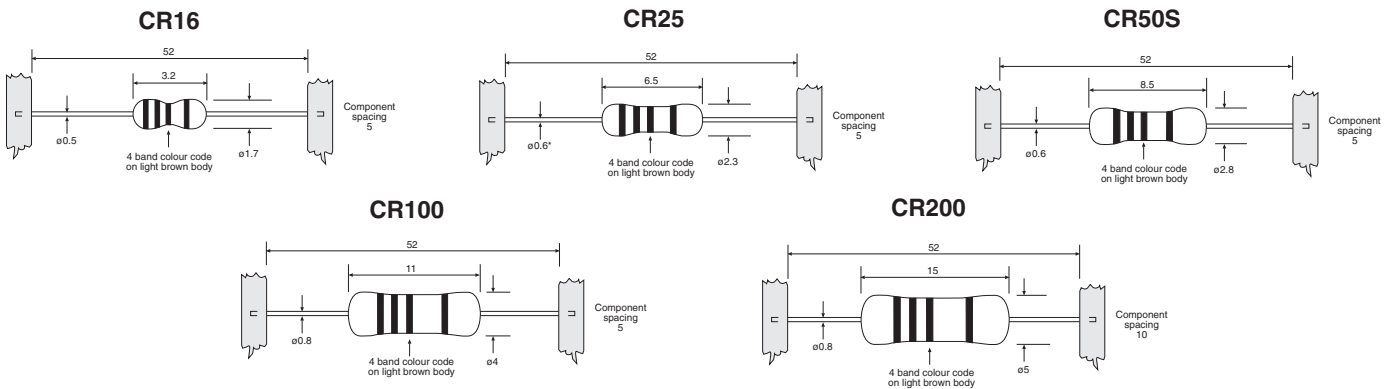
EUROHM type CR Series

A series of carbon film resistors, housed in a compact body, ideally suited for both industrial and consumer applications. High alumina ceramic rods offer superior thermal characteristics and allow a higher power dissipation of 1/8W, 1/4W and 1/2W types. Profiled in E12/E24 selection with a resistance tolerance of 5%. Supplied taped and available in ammo-boxes.



- ◆ Meets MIL-R-11
- ◆ E12/E24 range of resistance values
- ◆ 1/8W, 1/4 and 1/2W have higher power handling
- ◆ Very competitively priced

Dimensions (mm)



| | 1/8 Watt | 1/4 Watt | 1/2 Watt | 1 Watt | 2 Watt |
|---|---|---|---|---|---|
| Specification <small>Meets MIL-R-11</small> | CR16 | CR25 | CR50S | CR100 | CR200 |
| Max. power dissipation | 0.2 Watt at 70°C derate to zero at 155°C | 0.33 Watt at 70°C derate to zero at 155°C | 0.66 Watt at 70°C derate to zero at 155°C | 1 Watt at 70°C derate to zero at 155°C | 2 Watt at 70°C derate to zero at 155°C |
| Resistance tolerance | ±5% | ±5% | ±5% | ±5% | ±5% |
| Temperature coefficient | 0 to -700ppm/°C (values ≤1M) 0 to -1500ppm/°C (values >1M) | 0 to -700ppm/°C (values ≤1M) 0 to -1500ppm/°C (values >1M) | 0 to -700ppm/°C (values ≤1M) 0 to -1500ppm/°C (values >1M) | 0 to -700ppm/°C (values ≤1M) 0 to -1500ppm/°C (values >1M) | 0 to -700ppm/°C (values ≤1M) 0 to -1500ppm/°C (values >1M) |
| Operating temperature range | -55°C to +155°C | -55°C to +155°C | -55°C to +155°C | -55°C to +155°C | -55°C to +155°C |
| Max working voltage | 200V | 250V | 350V | 500V | 500V |
| Max overload voltage | 400V | 500V | 700V | 1000V | 1000V |
| Current noise | <2µV/V (values ≤100K) <5µV/V (values >100K) | <2µV/V (values ≤100K) <5µV/V (values >100K) | <2µV/V (values ≤100K) <5µV/V (values >100K) | <2µV/V (values ≤100K) <5µV/V (values >100K) | <2µV/V (values ≤100K) <5µV/V (values >100K) |
| Test performance (resistance stability) | | | | | |
| Short term overload | ±(1% +0.05R) | ±(1% +0.05R) | ±(1% +0.05R) | ±(1% +0.05R) | ±(1% +0.05R) |
| Vibration | ±(1% +0.05R) | ±(1% +0.05R) | ±(1% +0.05R) | ±(1% +0.05R) | ±(1% +0.05R) |
| Temperature cycling | ±(1% +0.05R) | ±(1% +0.05R) | ±(1% +0.05R) | ±(1% +0.05R) | ±(1% +0.05R) |
| Soldering heat | ±(1% +0.05R) | ±(1% +0.05R) | ±(1% +0.05R) | ±(1% +0.05R) | ±(1% +0.05R) |
| Damp heat cycling | ±(3% +0.05R) | ±(3% +0.05R) | ±(3% +0.05R) | ±(3% +0.05R) | ±(3% +0.05R) |
| Endurance, 1000 hours | ±(3% +0.05R) | ±(3% +0.05R) | ±(3% +0.05R) | ±(3% +0.05R) | ±(3% +0.05R) |

Marking and Packaging

| | | | | | |
|---------|----------------------|----------------------|----------------------|----------------------|-----------------------|
| Marking | 4 band colour code | 4 band colour code | 4 band colour code | 4 band colour code | 4 band colour code |
| Tape | 52mm wide, 5mm pitch | 52mm wide, 5mm pitch | 52mm wide, 5mm pitch | 52mm wide, 5mm pitch | 52mm wide, 10mm pitch |

Other E24 values are available to order as well as alternative lead forms, taping and packaging options. Please contact our Sales Desk for details.

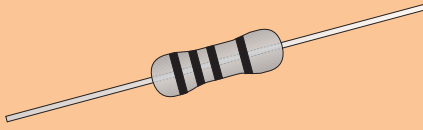
* Please note that the lead diameter of the CR25 resistor range will be changing from 0.6mm to 0.54mm.

ORDER CODES

| Value (Ω) | CR16 1/8 Watt | CR25 1/4 Watt | CR50S 1/2 Watt | CR100 1 Watt | CR200 2 Watt | Value (Ω) | CR16 1/8 Watt | CR25 1/4 Watt | CR50S 1/2 Watt | CR100 1 Watt | CR200 2 Watt |
|-----------|------------------|------------------|-------------------|-----------------|-----------------|-----------|------------------|------------------|-------------------|-----------------|-----------------|
| 1R0 | 000109 | 006109 | 001109A | 003109A | 004109A | 3K6 | 000362 | 006362 | 001362A | - | - |
| 1R1 | 000119 | 006119 | 001119A | - | - | 3K9 | 000392 | 006392 | 001392A | 003392A | 004392A |
| 1R2 | 000129 | 006129 | 001129A | 003129A | 004129A | 4K3 | 000432 | 006432 | 001432A | - | - |
| 1R3 | 000139 | 006139 | 001139A | - | - | 4K7 | 000472 | 006472 | 001472A | 003472A | 004472A |
| 1R5 | 000159 | 006159 | 001159A | 003159A | 004159A | 5K1 | 000512 | 006512 | 001512A | - | - |
| 1R6 | 000169 | 006169 | 001169A | - | - | 5K6 | 000562 | 006562 | 001562A | 003562A | 004562A |
| 1R8 | 000189 | 006189 | 001189A | 003189A | 004189A | 6K2 | 000622 | 006622 | 001622A | - | - |
| 2R0 | 000209 | 006209 | 001209A | - | - | 6K8 | 000682 | 006682 | 001682A | 003682A | 004682A |
| 2R2 | 000229 | 006229 | 001229A | 003229A | 004229A | 7K5 | 000752 | 006752 | 001752A | - | - |
| 2R4 | 000249 | 006249 | 001249A | - | - | 8K2 | 000822 | 006822 | 001822A | 003822A | 004822A |
| 2R7 | 000279 | 006279 | 001279A | 003279A | 004279A | 9K1 | 000912 | 006912 | 001912A | - | - |
| 3R0 | 000309 | 006309 | 001309A | - | - | 10K | 000103 | 006103 | 001103A | 003103A | 004103A |
| 3R3 | 000339 | 006339 | 001339A | 003339A | 004339A | 11K | 000113 | 006113 | 001113A | - | - |
| 3R6 | 000369 | 006369 | 001369A | - | - | 12K | 000123 | 006123 | 001123A | 003123A | 004123A |
| 3R9 | 000399 | 006399 | 001399A | 003399A | 004399A | 13K | 000133 | 006133 | 001133A | - | - |
| 4R3 | 000439 | 006439 | 001439A | - | - | 15K | 000153 | 006153 | 001153A | 003153A | 004153A |
| 4R7 | 000479 | 006479 | 001479A | 003479A | 004479A | 16K | 000163 | 006163 | 001163A | - | - |
| 5R1 | 000519 | 006519 | 001519A | - | - | 18K | 000183 | 006183 | 001183A | 003183A | 004183A |
| 5R6 | 000569 | 006569 | 001569A | 003569A | 004569A | 20K | 000203 | 006203 | 001203A | - | - |
| 6R2 | 000629 | 006629 | 001629A | - | - | 22K | 000223 | 006223 | 001223A | 003223A | 004223A |
| 6R8 | 000689 | 006689 | 001689A | 003689A | 004689A | 24K | 000243 | 006243 | 001243A | - | - |
| 7R5 | 000759 | 006759 | 001759A | - | - | 27K | 000273 | 006273 | 001273A | 003273A | 004273A |
| 8R2 | 000829 | 006829 | 001829A | 003829A | 004829A | 30K | 000303 | 006303 | 001303A | - | - |
| 9R1 | 000919 | 006919 | 001919A | - | - | 33K | 000333 | 006333 | 001333A | 003333A | 004333A |
| 10R | 000100 | 006100 | 001100A | 003100A | 004100A | 36K | 000363 | 006363 | 001363A | - | - |
| 11R | 000110 | 006110 | 001110A | - | - | 39K | 000393 | 006393 | 001393A | 003393A | 004393A |
| 12R | 000120 | 006120 | 001120A | 003120A | 004120A | 43K | 000433 | 006433 | 001433A | - | - |
| 13R | 000130 | 006130 | 001130A | - | - | 47K | 000473 | 006473 | 001473A | 003473A | 004473A |
| 15R | 000150 | 006150 | 001150A | 003150A | 004150A | 51K | 000513 | 006513 | 001513A | - | - |
| 16R | 000160 | 006160 | 001160A | - | - | 56K | 000563 | 006563 | 001563A | 003563A | 004563A |
| 18R | 000180 | 006180 | 001180A | 003180A | 004180A | 62K | 000623 | 006623 | 001623A | - | - |
| 20R | 000200 | 006200 | 001200A | - | - | 68K | 000683 | 006683 | 001683A | 003683A | 004683A |
| 22R | 000220 | 006220 | 001220A | 003220A | 004220A | 75K | 000753 | 006753 | 001753A | - | - |
| 24R | 000240 | 006240 | 001240A | - | - | 82K | 000823 | 006823 | 001823A | 003823A | 004823A |
| 27R | 000270 | 006270 | 001270A | 003270A | 004270A | 91K | 000913 | 006913 | 001913A | - | - |
| 30R | 000300 | 006300 | 001300A | - | - | 100K | 000104 | 006104 | 001104A | 003104A | 004104A |
| 33R | 000330 | 006330 | 001330A | 003330A | 004330A | 110K | 000114 | 006114 | 001114A | - | - |
| 36R | 000360 | 006360 | 001360A | - | - | 120K | 000124 | 006124 | 001124A | 003124A | 004124A |
| 39R | 000390 | 006390 | 001390A | 003390A | 004390A | 130K | 000134 | 006134 | 001134A | - | - |
| 43R | 000430 | 006430 | 001430A | - | - | 150K | 000154 | 006154 | 001154A | 003154A | 004154A |
| 47R | 000470 | 006470 | 001470A | 003470A | 004470A | 160K | 000164 | 006164 | 001164A | - | - |
| 51R | 000510 | 006510 | 001510A | - | - | 180K | 000184 | 006184 | 001184A | 003184A | 004184A |
| 56R | 000560 | 006560 | 001560A | 003560A | 004560A | 200K | 000204 | 006204 | 001204A | - | - |
| 62R | 000620 | 006620 | 001620A | - | - | 220K | 000224 | 006224 | 001224A | 003224A | 004224A |
| 68R | 000680 | 006680 | 001680A | 003680A | 004680A | 240K | 000244 | 006244 | 001244A | - | - |
| 75R | 000750 | 006750 | 001750A | - | - | 270K | 000274 | 006274 | 001274A | 003274A | 004274A |
| 82R | 000820 | 006820 | 001820A | 003820A | 004820A | 300K | 000304 | 006304 | 001304A | - | - |
| 91R | 000910 | 006910 | 001910A | - | - | 330K | 000334 | 006334 | 001334A | 003334A | 004334A |
| 100R | 000101 | 006101 | 001101A | 003101A | 004101A | 360K | 000364 | 006364 | 001364A | - | - |
| 110R | 000111 | 006111 | 001111A | - | - | 390K | 000394 | 006394 | 001394A | 003394A | 004394A |
| 120R | 000121 | 006121 | 001121A | 003121A | 004121A | 430K | 000434 | 006434 | 001434A | - | - |
| 130R | 000131 | 006131 | 001131A | - | - | 470K | 000474 | 006474 | 001474A | 003474A | 004474A |
| 150R | 000151 | 006151 | 001151A | 003151A | 004151A | 510K | 000514 | 006514 | 001514A | - | - |
| 160R | 000161 | 006161 | 001161A | - | - | 560K | 000564 | 006564 | 001564A | 003564A | 004564A |
| 180R | 000181 | 006181 | 001181A | 003181A | 004181A | 620K | 000624 | 006624 | 001624A | - | - |
| 200R | 000201 | 006201 | 001201A | - | - | 680K | 000684 | 006684 | 001684A | 003684A | 004684A |
| 220R | 000221 | 006221 | 001221A | 003221A | 004221A | 750K | 000754 | 006754 | 001754A | - | - |
| 240R | 000241 | 006241 | 001241A | - | - | 820K | 000824 | 006824 | 001824A | 003824A | 004824A |
| 270R | 000271 | 006271 | 001271A | 003271A | 004271A | 910K | 000914 | 006914 | 001914A | - | - |
| 300R | 000301 | 006301 | 001301A | - | - | 1M0 | 000105 | 006105 | 001105A | 003105A | 004105A |
| 330R | 000331 | 006331 | 001331A | 003331A | 004331A | 1M1 | 000115 | 006115 | 001115A | - | - |
| 360R | 000361 | 006361 | 001361A | - | - | 1M2 | 000125 | 006125 | 001125A | 003125A | 004125A |
| 390R | 000391 | 006391 | 001391A | 003391A | 004391A | 1M3 | 000135 | 006135 | 001135A | - | - |
| 430R | 000431 | 006431 | 001431A | - | - | 1M5 | 000155 | 006155 | 001155A | 003155A | 004155A |
| 470R | 000471 | 006471 | 001471A | 003471A | 004471A | 1M6 | 000165 | 006165 | 001165A | - | - |
| 510R | 000511 | 006511 | 001511A | - | - | 1M8 | 000185 | 006185 | 001185A | 003185A | 004185A |
| 560R | 000561 | 006561 | 001561A | 003561A | 004561A | 2M0 | 000205 | 006205 | 001205A | - | - |
| 620R | 000621 | 006621 | 001621A | - | - | 2M2 | 000225 | 006225 | 001225A | 003225A | 004225A |
| 680R | 000681 | 006681 | 001681A | 003681A | 004681A | 2M4 | 000245 | 006245 | 001245A | - | - |
| 750R | 000751 | 006751 | 001751A | - | - | 2M7 | 000275 | 006275 | 001275A | 003275A | 004275A |
| 820R | 000821 | 006821 | 001821A | 003821A | 004821A | 3M0 | 000305 | 006305 | 001305A | - | - |
| 910R | 000911 | 006911 | 001911A | - | - | 3M3 | 000335 | 006335 | 001335A | 003335A | 004335A |
| 1K0 | 000102 | 006102 | 001102A | 003102A | 004102A | 3M6 | 000365 | 006365 | 001365A | - | - |
| 1K1 | 000112 | 006112 | 001112A | - | - | 3M9 | 000395 | 006395 | 001395A | 003395A | 004395A |
| 1K2 | 000122 | 006122 | 001122A | 003122A | 004122A | 4M3 | 000435 | 006435 | 001435A | - | - |
| 1K3 | 000132 | 006132 | 001132A | - | - | 4M7 | 000475 | 006475 | 001475A | 003475A | 004475A |
| 1K5 | 000152 | 006152 | 001152A | 003152A | 004152A | 5M1 | 000515 | 006515 | 001515A | - | - |
| 1K6 | 000162 | 006162 | 001162A | - | - | 5M6 | 000565 | 006565 | 001565A | 003565A | 004565A |
| 1K8 | 000182 | 006182 | 001182A | 003182A | 004182A | 6M2 | 000625 | 006625 | 001625A | - | - |
| 2K0 | 000202 | 006202 | 001202A | - | - | 6M8 | 000685 | 006685 | 001685A | 003685A | 004685A |
| 2K2 | 000222 | 006222 | 001222A | 003222A | 004222A | 7M5 | 000755 | 006755 | 001755A | - | - |
| 2K4 | 000242 | 006242 | 001242A | - | - | 8M2 | 000825 | 006825 | 001825A | 003825A | 004825A |
| 2K7 | 000272 | 006272 | 001272A | 003272A | 004272A | 9M1 | 000915 | 006915 | 001915A | - | - |
| 3K0 | 000302 | 006302 | 001302A | - | - | 10M | 000106 | 006106 | 001106A | 003106A | 004106A |
| 3K3 | 000332 | 006332 | 001332A | 003332A | 004332A | | | | | | |

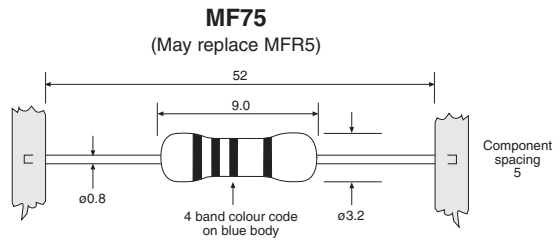
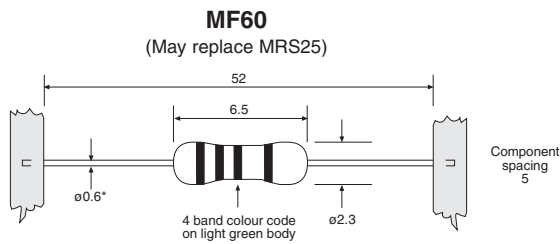
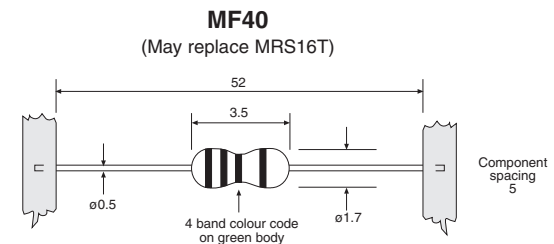
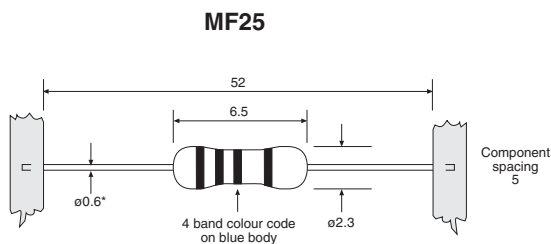
EUROHM type MF Series

A series of high quality, low noise, 1% tolerance metal film resistors offering high stability and reliability at low cost. Profiled in E12/E24 selection with values extending down to 1R and up to 10M. Low temperature coefficient across the range. Supplied taped and available in ammo-boxes.



- ◆ High stability & reliability
- ◆ Low noise
- ◆ Meets MIL-R-10509
- ◆ MF25 & MF75 also meet DIN44061
- ◆ E12/E24 range of resistance values
- ◆ Very competitively priced

Dimensions (mm)



1/4 Watt

0.4 Watt

0.6 Watt

3/4 Watt

| Specification <small>Meets MIL-R-10509</small> | MF25 | MF40 | MF60 | MF75 |
|--|---|---|---|---|
| | Meets DIN44061 style Q207 MIL-R-10509 style RN55 | Meets MIL-R-10509 style RN50 | Meets MIL-R-10509 style RN55 | Meets DIN44061 style Q309 MIL-R-10509 style RN60 |
| Max. power dissipation | 0.25 Watt at 70°C derate to zero at 155°C | 0.4 Watt at 70°C derate to zero at 155°C | 0.6 Watt at 70°C derate to zero at 155°C | 0.75 Watt at 70°C derate to zero at 155°C |
| Resistance tolerance | ±1% | ±1% | ±1% | ±1% |
| Temperature coefficient | ±50ppm/°C | ±50ppm/°C (±200ppm/°C ≤91R) | ±50ppm/°C (±100ppm/°C ≤4R7 & ≥5M1) | ±100ppm/°C |
| Operating temperature range | -55°C to +155°C | -55°C to +155°C | -55°C to +155°C | -55°C to +155°C |
| Max working voltage | 250V | 200V | 250V | 500V |
| Max overload voltage | 500V | 400V | 500V | 1000V |
| Current noise | <0.01µV/V (values ≤1K) rising to 0.5µV/V on highest values | <0.01µV/V (values ≤1K) rising to 0.5µV/V on highest values | <0.01µV/V (values ≤1K) rising to 0.5µV/V on highest values | <0.01µV/V (values ≤1K) rising to 0.5µV/V on highest values |
| Test performance (resistance stability) | | | | |
| Short term overload | ±(0.5% +0.05R) | ±(0.5% +0.05R) | ±(0.5% +0.05R) | ±(0.25% +0.05R) |
| Vibration | ±(1% +0.05R) | ±(1% +0.05R) | ±(1% +0.05R) | ±(0.25% +0.05R) |
| Temperature cycling | ±(1% +0.05R) | ±(1% +0.05R) | ±(1% +0.05R) | ±(0.5% +0.05R) |
| Soldering heat | ±(1% +0.05R) | ±(1% +0.05R) | ±(1% +0.05R) | ±(0.25% +0.05R) |
| Damp heat cycling | ±(0.5% +0.05R) | ±(1.5% +0.05R) | ±(1.5% +0.05R) | ±(1.0% +0.05R) |
| Endurance, 1000 hours | ±(1.5% +0.05R) | ±(5% +0.05R) | ±(1.5% +0.05R) | ±(1.0% +0.05R) |

Marking and Packaging

| Marking | MF25 | MF40 | MF60 | MF75 |
|---------|----------------------|----------------------|----------------------|----------------------|
| Marking | 4 band colour code | 4 band colour code | 4 band colour code | 4 band colour code |
| Tape | 52mm wide, 5mm pitch | 52mm wide, 5mm pitch | 52mm wide, 5mm pitch | 52mm wide, 5mm pitch |

Other E24 values are available to order as well as alternative lead forms, taping and packaging options. Please contact our Sales Desk for details.

* Please note that the lead diameter of the MF25 & MF60 resistor ranges will be changing from 0.6mm to 0.54mm

ORDER CODES

| Value (Ω) | MF25 1/4 Watt | | MF40 0.4 Watt | | MF60 0.6 Watt | | MF75 3/4 Watt |
|--------------|------------------|---------|------------------|---------|------------------|---------|------------------|
| | 1K Ammo | 5K Ammo | 1K Ammo | 5K Ammo | 1K Ammo | 5K Ammo | 1K Ammo |
| 1R0 | 006109DK | 006109D | — | — | 002109K | 002109 | — |
| 1R1 | — | — | — | — | 002119K | 002119 | — |
| 1R2 | — | — | — | — | 002129K | 002129 | — |
| 1R3 | — | — | — | — | 002139K | 002139 | — |
| 1R5 | — | — | — | — | 002159K | 002159 | — |
| 1R6 | — | — | — | — | 002169K | 002169 | — |
| 1R8 | — | — | — | — | 002189K | 002189 | — |
| 2R0 | — | — | — | — | 002209K | 002209 | — |
| 2R2 | 006229DK | 006229D | — | — | 002229K | 002229 | — |
| 2R4 | — | — | — | — | 002249K | 002249 | — |
| 2R7 | — | — | — | — | 002279K | 002279 | — |
| 3R0 | — | — | — | — | 002309K | 002309 | — |
| 3R3 | — | — | — | — | 002339K | 002339 | — |
| 3R6 | — | — | — | — | 002369K | 002369 | — |
| 3R9 | — | — | — | — | 002399K | 002399 | — |
| 4R3 | — | — | — | — | 002439K | 002439 | — |
| 4R7 | 006479DK | 006479D | — | — | 002479K | 002479 | — |
| 5R1 | 006519DK | 006519D | — | — | 002519K | 002519 | — |
| 5R6 | 006569DK | 006569D | — | — | 002569K | 002569 | — |
| 6R2 | 006629DK | 006629D | — | — | 002629K | 002629 | — |
| 6R8 | 006689DK | 006689D | — | — | 002689K | 002689 | — |
| 7R5 | 006759DK | 006759D | — | — | 002759K | 002759 | — |
| 8R2 | 006829DK | 006829D | — | — | 002829K | 002829 | — |
| 9R1 | 006919DK | 006919D | — | — | 002919K | 002919 | — |
| 10R | 006100DK | 006100D | 017100K | 017100 | 002100K | 002100 | 917100 |
| 11R | 006110DK | 006110D | 017110K | 017110 | 002110K | 002110 | — |
| 12R | 006120DK | 006120D | 017120K | 017120 | 002120K | 002120 | 917120 |
| 13R | 006130DK | 006130D | 017130K | 017130 | 002130K | 002130 | — |
| 15R | 006150DK | 006150D | 017150K | 017150 | 002150K | 002150 | 917150 |
| 16R | 006160DK | 006160D | 017160K | 017160 | 002160K | 002160 | — |
| 18R | 006180DK | 006180D | 017180K | 017180 | 002180K | 002180 | 917180 |
| 20R | 006200DK | 006200D | 017200K | 017200 | 002200K | 002200 | — |
| 22R | 006220DK | 006220D | 017220K | 017220 | 002220K | 002220 | 917220 |
| 24R | 006240DK | 006240D | 017240K | 017240 | 002240K | 002240 | — |
| 27R | 006270DK | 006270D | 017270K | 017270 | 002270K | 002270 | 917270 |
| 30R | 006300DK | 006300D | 017300K | 017300 | 002300K | 002300 | — |
| 33R | 006330DK | 006330D | 017330K | 017330 | 002330K | 002330 | 917330 |
| 36R | 006360DK | 006360D | 017360K | 017360 | 002360K | 002360 | — |
| 39R | 006390DK | 006390D | 017390K | 017390 | 002390K | 002390 | 917390 |
| 43R | 006430DK | 006430D | 017430K | 017430 | 002430K | 002430 | — |
| 47R | 006470DK | 006470D | 017470K | 017470 | 002470K | 002470 | 917470 |
| 51R | 006510DK | 006510D | 017510K | 017510 | 002510K | 002510 | — |
| 56R | 006560DK | 006560D | 017560K | 017560 | 002560K | 002560 | 917560 |
| 62R | 006620DK | 006620D | 017620K | 017620 | 002620K | 002620 | — |
| 68R | 006680DK | 006680D | 017680K | 017680 | 002680K | 002680 | 917680 |
| 75R | 006750DK | 006750D | 017750K | 017750 | 002750K | 002750 | — |
| 82R | 006820DK | 006820D | 017820K | 017820 | 002820K | 002820 | 917820 |
| 91R | 006910DK | 006910D | 017910K | 017910 | 002910K | 002910 | — |
| 100R | 006101DK | 006101D | 017101K | 017101 | 002101K | 002101 | 917101 |
| 110R | 006111DK | 006111D | 017111K | 017111 | 002111K | 002111 | — |
| 120R | 006121DK | 006121D | 017121K | 017121 | 002121K | 002121 | 917121 |
| 130R | 006131DK | 006131D | 017131K | 017131 | 002131K | 002131 | — |
| 150R | 006151DK | 006151D | 017151K | 017151 | 002151K | 002151 | 917151 |
| 160R | 006161DK | 006161D | 017161K | 017161 | 002161K | 002161 | — |
| 180R | 006181DK | 006181D | 017181K | 017181 | 002181K | 002181 | 917181 |
| 200R | 006201DK | 006201D | 017201K | 017201 | 002201K | 002201 | — |
| 220R | 006221DK | 006221D | 017221K | 017221 | 002221K | 002221 | 917221 |
| 240R | 006241DK | 006241D | 017241K | 017241 | 002241K | 002241 | — |
| 270R | 006271DK | 006271D | 017271K | 017271 | 002271K | 002271 | 917271 |
| 300R | 006301DK | 006301D | 017301K | 017301 | 002301K | 002301 | — |
| 330R | 006331DK | 006331D | 017331K | 017331 | 002331K | 002331 | 917331 |
| 360R | 006361DK | 006361D | 017361K | 017361 | 002361K | 002361 | — |
| 390R | 006391DK | 006391D | 017391K | 017391 | 002391K | 002391 | 917391 |
| 430R | 006431DK | 006431D | 017431K | 017431 | 002431K | 002431 | — |
| 470R | 006471DK | 006471D | 017471K | 017471 | 002471K | 002471 | 917471 |
| 510R | 006511DK | 006511D | 017511K | 017511 | 002511K | 002511 | — |
| 560R | 006561DK | 006561D | 017561K | 017561 | 002561K | 002561 | 917561 |
| 620R | 006621DK | 006621D | 017621K | 017621 | 002621K | 002621 | — |
| 680R | 006681DK | 006681D | 017681K | 017681 | 002681K | 002681 | 917681 |
| 750R | 006751DK | 006751D | 017751K | 017751 | 002751K | 002751 | — |
| 820R | 006821DK | 006821D | 017821K | 017821 | 002821K | 002821 | 917821 |
| 910R | 006911DK | 006911D | 017911K | 017911 | 002911K | 002911 | — |
| 1K0 | 006102DK | 006102D | 017102K | 017102 | 002102K | 002102 | 917102 |
| 1K1 | 006112DK | 006112D | 017112K | 017112 | 002112K | 002112 | — |
| 1K2 | 006122DK | 006122D | 017122K | 017122 | 002122K | 002122 | 917122 |
| 1K3 | 006132DK | 006132D | 017132K | 017132 | 002132K | 002132 | — |
| 1K5 | 006152DK | 006152D | 017152K | 017152 | 002152K | 002152 | 917152 |
| 1K6 | 006162DK | 006162D | 017162K | 017162 | 002162K | 002162 | — |
| 1K8 | 006182DK | 006182D | 017182K | 017182 | 002182K | 002182 | 917182 |
| 2K0 | 006202DK | 006202D | 017202K | 017202 | 002202K | 002202 | — |
| 2K2 | 006222DK | 006222D | 017222K | 017222 | 002222K | 002222 | 917222 |
| 2K4 | 006242DK | 006242D | 017242K | 017242 | 002242K | 002242 | — |
| 2K7 | 006272DK | 006272D | 017272K | 017272 | 002272K | 002272 | 917272 |

METAL FILM 1%
continued overleaf > >

ORDER CODES

| Value (Ω) | MF25 1/4 Watt | | MF40 0.4 Watt | | MF60 0.6 Watt | | MF75 3/4 Watt |
|--------------|------------------|---------|------------------|---------|------------------|---------|------------------|
| | 1K Ammo | 5K Ammo | 1K Ammo | 5K Ammo | 1K Ammo | 5K Ammo | 1K Ammo |
| | | | | | | | |
| 3K0 | 006302DK | 006302D | 017302K | 017302 | 002302K | 002302 | - |
| 3K3 | 006332DK | 006332D | 017332K | 017332 | 002332K | 002332 | 917332 |
| 3K6 | 006362DK | 006362D | 017362K | 017362 | 002362K | 002362 | - |
| 3K9 | 006392DK | 006392D | 017392K | 017392 | 002392K | 002392 | 917392 |
| 4K3 | 006432DK | 006432D | 017432K | 017432 | 002432K | 002432 | - |
| 4K7 | 006472DK | 006472D | 017472K | 017472 | 002472K | 002472 | 917472 |
| 5K1 | 006512DK | 006512D | 017512K | 017512 | 002512K | 002512 | - |
| 5K6 | 006562DK | 006562D | 017562K | 017562 | 002562K | 002562 | 917562 |
| 6K2 | 006622DK | 006622D | 017622K | 017622 | 002622K | 002622 | - |
| 6K8 | 006682DK | 006682D | 017682K | 017682 | 002682K | 002682 | 917682 |
| 7K5 | 006752DK | 006752D | 017752K | 017752 | 002752K | 002752 | - |
| 8K2 | 006822DK | 006822D | 017822K | 017822 | 002822K | 002822 | 917822 |
| 9K1 | 006912DK | 006912D | 017912K | 017912 | 002912K | 002912 | - |
| 10K | 006103DK | 006103D | 017103K | 017103 | 002103K | 002103 | 917103 |
| 11K | 006113DK | 006113D | 017113K | 017113 | 002113K | 002113 | - |
| 12K | 006123DK | 006123D | 017123K | 017123 | 002123K | 002123 | 917123 |
| 13K | 006133DK | 006133D | 017133K | 017133 | 002133K | 002133 | - |
| 15K | 006153DK | 006153D | 017153K | 017153 | 002153K | 002153 | 917153 |
| 16K | 006163DK | 006163D | 017163K | 017163 | 002163K | 002163 | - |
| 18K | 006183DK | 006183D | 017183K | 017183 | 002183K | 002183 | 917183 |
| 20K | 006203DK | 006203D | 017203K | 017203 | 002203K | 002203 | - |
| 22K | 006223DK | 006223D | 017223K | 017223 | 002223K | 002223 | 917223 |
| 24K | 006243DK | 006243D | 017243K | 017243 | 002243K | 002243 | - |
| 27K | 006273DK | 006273D | 017273K | 017273 | 002273K | 002273 | 917273 |
| 30K | 006303DK | 006303D | 017303K | 017303 | 002303K | 002303 | - |
| 33K | 006333DK | 006333D | 017333K | 017333 | 002333K | 002333 | 917333 |
| 36K | 006363DK | 006363D | 017363K | 017363 | 002363K | 002363 | - |
| 39K | 006393DK | 006393D | 017393K | 017393 | 002393K | 002393 | 917393 |
| 43K | 006433DK | 006433D | 017433K | 017433 | 002433K | 002433 | - |
| 47K | 006473DK | 006473D | 017473K | 017473 | 002473K | 002473 | 917473 |
| 51K | 006513DK | 006513D | 017513K | 017513 | 002513K | 002513 | - |
| 56K | 006563DK | 006563D | 017563K | 017563 | 002563K | 002563 | 917563 |
| 62K | 006623DK | 006623D | 017623K | 017623 | 002623K | 002623 | - |
| 68K | 006683DK | 006683D | 017683K | 017683 | 002683K | 002683 | 917683 |
| 75K | 006753DK | 006753D | 017753K | 017753 | 002753K | 002753 | - |
| 82K | 006823DK | 006823D | 017823K | 017823 | 002823K | 002823 | 917823 |
| 91K | 006913DK | 006913D | 017913K | 017913 | 002913K | 002913 | - |
| 100K | 006104DK | 006104D | 017104K | 017104 | 002104K | 002104 | 917104 |
| 110K | 006114DK | 006114D | 017114K | 017114 | 002114K | 002114 | - |
| 120K | 006124DK | 006124D | 017124K | 017124 | 002124K | 002124 | 917124 |
| 130K | 006134DK | 006134D | 017134K | 017134 | 002134K | 002134 | - |
| 150K | 006154DK | 006154D | 017154K | 017154 | 002154K | 002154 | 917154 |
| 160K | 006164DK | 006164D | 017164K | 017164 | 002164K | 002164 | - |
| 180K | 006184DK | 006184D | 017184K | 017184 | 002184K | 002184 | 917184 |
| 200K | 006204DK | 006204D | 017204K | 017204 | 002204K | 002204 | - |
| 220K | 006224DK | 006224D | 017224K | 017224 | 002224K | 002224 | 917224 |
| 240K | 006244DK | 006244D | 017244K | 017244 | 002244K | 002244 | - |
| 270K | 006274DK | 006274D | 017274K | 017274 | 002274K | 002274 | 917274 |
| 300K | 006304DK | 006304D | 017304K | 017304 | 002304K | 002304 | - |
| 330K | 006334DK | 006334D | 017334K | 017334 | 002334K | 002334 | 917334 |
| 360K | 006364DK | 006364D | 017364K | 017364 | 002364K | 002364 | - |
| 390K | 006394DK | 006394D | 017394K | 017394 | 002394K | 002394 | 917394 |
| 430K | 006434DK | 006434D | 017434K | 017434 | 002434K | 002434 | - |
| 470K | 006474DK | 006474D | 017474K | 017474 | 002474K | 002474 | 917474 |
| 510K | 006514DK | 006514D | 017514K | 017514 | 002514K | 002514 | - |
| 560K | 006564DK | 006564D | 017564K | 017564 | 002564K | 002564 | 917564 |
| 620K | 006624DK | 006624D | 017624K | 017624 | 002624K | 002624 | - |
| 680K | 006684DK | 006684D | 017684K | 017684 | 002684K | 002684 | 917684 |
| 750K | 006754DK | 006754D | 017754K | 017754 | 002754K | 002754 | - |
| 820K | 006824DK | 006824D | 017824K | 017824 | 002824K | 002824 | 917824 |
| 910K | 006914DK | 006914D | 017914K | 017914 | 002914K | 002914 | - |
| 1M0 | 006105DK | 006105D | 017105K | 017105 | 002105K | 002105 | 917105 |
| 1M1 | 006115DK | 006115D | - | - | 002115K | 002115 | - |
| 1M2 | 006125DK | 006125D | - | - | 002125K | 002125 | - |
| 1M3 | 006135DK | 006135D | - | - | 002135K | 002135 | - |
| 1M5 | 006155DK | 006155D | - | - | 002155K | 002155 | - |
| 1M6 | 006165DK | 006165D | - | - | 002165K | 002165 | - |
| 1M8 | 006185DK | 006185D | - | - | 002185K | 002185 | - |
| 2M0 | 006205DK | 006205D | - | - | 002205K | 002205 | - |
| 2M2 | 006225DK | 006225D | - | - | 002225K | 002225 | - |
| 2M4 | 006245DK | 006245D | - | - | 002245K | 002245 | - |
| 2M7 | 006275DK | 006275D | - | - | 002275K | 002275 | - |
| 3M0 | 006305DK | 006305D | - | - | 002305K | 002305 | - |
| 3M3 | 006335DK | 006335D | - | - | 002335K | 002335 | - |
| 3M6 | 006365DK | 006365D | - | - | 002365K | 002365 | - |
| 3M9 | 006395DK | 006395D | - | - | 002395K | 002395 | - |
| 4M3 | 006435DK | 006435D | - | - | 002435K | 002435 | - |
| 4M7 | 006475DK | 006475D | - | - | 002475K | 002475 | - |
| 5M1 | - | - | - | - | 002515K | 002515 | - |
| 5M6 | - | - | - | - | 002565K | 002565 | - |
| 6M2 | - | - | - | - | 002625K | 002625 | - |
| 6M8 | - | - | - | - | 002685K | 002685 | - |
| 7M5 | - | - | - | - | 002755K | 002755 | - |
| 8M2 | - | - | - | - | 002825K | 002825 | - |
| 9M1 | - | - | - | - | 002915K | 002915 | - |
| 10M | 006106DK | 006106D | - | - | 002106K | 002106 | - |