

VISHAY CMF Metal Film Resistors

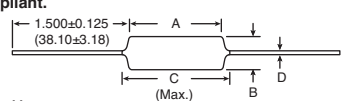
RoHS Compliant This product is RoHS compliant.

CMF55 AND CMF60 METAL FILM RESISTORS

Features:

- Small size - conformal coated
- Flame retardant epoxy coating
- Controlled temperature coefficient
- Excellent high frequency characteristics
- Exceptionally low noise, typically 0.10µV/V
- Low voltage coefficient to ± 5ppm/Volt
- Lead (Pb)-Free version is RoHS Compliant
- Other TCs available upon request

| DIMENSIONS: in. (mm) | | | | |
|----------------------|----------------------------|----------------------------|---------------|----------------------------|
| Model | A | B | C (Max.) | D |
| CMF55 | 0.240±0.020 (6.10±0.51) | 0.090±0.008 (2.29±0.20) | 0.278 (7.06) | 0.025±0.002 (0.64±0.05) |
| CMF60 | 0.344±0.031 (8.74±0.79) | 0.145±0.015 (3.68±0.38) | 0.425 (10.80) | 0.025±0.002 (0.64±0.05) |



Marking:
 - Value
 - Decade and Tolerance
 - Date Code
 (Alternate parts may be MIL marked)



For quantities greater than listed, call for quote.

| MOUSER STOCK NO. | Vishay Part Number | Value Ω | Price Each | | | |
|--|--------------------|---------|------------|------|------|------|
| | | | 1 | 25 | 100 | 500 |
| CMF55 = 1/4 Watt Rated to 1/2 Watt 50ppm 1% | | | | | | |
| 71-CMF5510R00FHEK | CMF5510R00FHEK | 10 | .15 | .14 | .125 | .109 |
| 71-CMF5515R00FHEK | CMF5515R00FHEK | 15 | .15 | .14 | .125 | .109 |
| 71-CMF5520R00FHEK | CMF5520R00FHEK | 20 | .15 | .14 | .125 | .109 |
| 71-CMF5530R100FHEK | CMF5530R100FHEK | 30.1 | .15 | .14 | .125 | .109 |
| 71-CMF5533R200FHEK | CMF5533R200FHEK | 33.2 | .15 | .14 | .125 | .109 |
| 71-CMF5547R500FHEK | CMF5547R500FHEK | 47.5 | .15 | .14 | .125 | .109 |
| 71-CMF5549R900FHEK | CMF5549R900FHEK | 49.9 | .15 | .14 | .125 | .109 |
| 71-CMF5551R100FHEK | CMF5551R100FHEK | 51.1 | .15 | .14 | .125 | .109 |
| 71-CMF5575R00FHEK | CMF5575R00FHEK | 75 | .15 | .14 | .125 | .109 |
| 71-CMF55100R00FHEK | CMF55100R00FHEK | 100 | .14 | .115 | .08 | .07 |
| 71-CMF55121R00FHEK | CMF55121R00FHEK | 121 | .15 | .14 | .125 | .109 |
| 71-CMF55150R00FHEK | CMF55150R00FHEK | 150 | .15 | .14 | .125 | .109 |
| 71-CMF55182R00FHEK | CMF55182R00FHEK | 182 | .15 | .14 | .125 | .109 |
| 71-CMF55200R00FHEK | CMF55200R00FHEK | 200 | .15 | .14 | .125 | .109 |
| 71-CMF55220R00FHEK | CMF55220R00FHEK | 220 | .14 | .115 | .08 | .07 |
| 71-CMF55221R00FHEK | CMF55221R00FHEK | 221 | .15 | .14 | .125 | .109 |
| 71-CMF55249R00FHEK | CMF55249R00FHEK | 249 | .15 | .14 | .125 | .109 |
| 71-CMF55274R00FHEK | CMF55274R00FHEK | 274 | .15 | .14 | .125 | .109 |
| 71-CMF55301R00FHEK | CMF55301R00FHEK | 301 | .15 | .14 | .125 | .109 |
| 71-CMF55330R00FHEK | CMF55330R00FHEK | 330 | .15 | .14 | .125 | .109 |
| 71-CMF55332R00FHEK | CMF55332R00FHEK | 332 | .15 | .14 | .125 | .109 |
| 71-CMF55365R00FHEK | CMF55365R00FHEK | 365 | .15 | .14 | .125 | .109 |
| 71-CMF55392R00FHEK | CMF55392R00FHEK | 392 | .15 | .14 | .125 | .109 |
| 71-CMF55402R00FHEK | CMF55402R00FHEK | 402 | .15 | .14 | .125 | .109 |
| 71-CMF55475R00FHEK | CMF55475R00FHEK | 475 | .15 | .14 | .125 | .109 |
| 71-CMF55499R00FHEK | CMF55499R00FHEK | 499 | .15 | .14 | .125 | .109 |
| 71-CMF55511R00FHEK | CMF55511R00FHEK | 511 | .15 | .14 | .125 | .109 |
| 71-CMF55562R00FHEK | CMF55562R00FHEK | 562 | .15 | .14 | .125 | .109 |
| 71-CMF55604R00FHEK | CMF55604R00FHEK | 604 | .15 | .14 | .125 | .109 |
| 71-CMF55681R00FHEK | CMF55681R00FHEK | 681 | .15 | .14 | .125 | .109 |
| 71-CMF55825R00FHEK | CMF55825R00FHEK | 825 | .15 | .14 | .125 | .109 |
| 71-CMF55909R00FHEK | CMF55909R00FHEK | 909 | .15 | .14 | .125 | .109 |
| 71-CMF551K000FHEK | CMF551K000FHEK | 1K | .14 | .115 | .08 | .07 |
| 71-CMF551K2100FHEK | CMF551K2100FHEK | 1.21K | .14 | .115 | .08 | .07 |
| 71-CMF551K3000FHEK | CMF551K3000FHEK | 1.3K | .15 | .14 | .125 | .109 |
| 71-CMF551K5000FHEK | CMF551K5000FHEK | 1.5K | .15 | .14 | .125 | .109 |
| 71-CMF551K6200FHEK | CMF551K6200FHEK | 1.62K | .15 | .14 | .125 | .109 |
| 71-CMF551K8200FHEK | CMF551K8200FHEK | 1.82K | .15 | .14 | .125 | .109 |
| 71-CMF552K0000FHEK | CMF552K0000FHEK | 2K | .15 | .14 | .125 | .109 |
| 71-CMF552K2000FHEK | CMF552K2000FHEK | 2.2K | .15 | .14 | .125 | .109 |
| 71-CMF552K2100FHEK | CMF552K2100FHEK | 2.21K | .15 | .14 | .125 | .109 |
| 71-CMF552K3700FHEK | CMF552K3700FHEK | 2.37K | .15 | .14 | .125 | .109 |
| 71-CMF552K4900FHEK | CMF552K4900FHEK | 2.49K | .15 | .14 | .125 | .109 |
| 71-CMF552K7400FHEK | CMF552K7400FHEK | 2.74K | .15 | .14 | .125 | .109 |
| 71-CMF553K0100FHEK | CMF553K0100FHEK | 3.01K | .15 | .14 | .125 | .109 |
| 71-CMF553K2400FHEK | CMF553K2400FHEK | 3.24K | .15 | .14 | .125 | .109 |
| 71-CMF553K3200FHEK | CMF553K3200FHEK | 3.32K | .15 | .14 | .125 | .109 |
| 71-CMF553K9200FHEK | CMF553K9200FHEK | 3.92K | .15 | .14 | .125 | .109 |
| 71-CMF554K0200FHEK | CMF554K0200FHEK | 4.02K | .15 | .14 | .125 | .109 |
| 71-CMF554K3200FHEK | CMF554K3200FHEK | 4.32K | .15 | .14 | .125 | .109 |
| 71-CMF554K7000FHEK | CMF554K7000FHEK | 4.7K | .15 | .14 | .125 | .109 |
| 71-CMF554K7500FHEK | CMF554K7500FHEK | 4.75K | .15 | .14 | .125 | .109 |
| 71-CMF554K9900FHEK | CMF554K9900FHEK | 4.99K | .14 | .115 | .08 | .07 |
| 71-CMF555K1100FHEK | CMF555K1100FHEK | 5.11K | .15 | .14 | .125 | .109 |
| 71-CMF556K0400FHEK | CMF556K0400FHEK | 6.04K | .15 | .14 | .125 | .109 |
| 71-CMF556K8100FHEK | CMF556K8100FHEK | 6.81K | .15 | .14 | .125 | .109 |
| 71-CMF557K5000FHEK | CMF557K5000FHEK | 7.5K | .15 | .14 | .125 | .109 |
| 71-CMF558K0600FHEK | CMF558K0600FHEK | 8.06K | .15 | .14 | .125 | .109 |
| 71-CMF558K2500FHEK | CMF558K2500FHEK | 8.25K | .15 | .14 | .125 | .109 |
| 71-CMF558K6600FHEK | CMF558K6600FHEK | 8.66K | .15 | .14 | .125 | .109 |
| 71-CMF5510K000FHEK | CMF5510K000FHEK | 10K | .14 | .115 | .08 | .07 |
| 71-CMF5510K500FHEK | CMF5510K500FHEK | 10.5K | .15 | .14 | .125 | .109 |
| 71-CMF5511K000FHEK | CMF5511K000FHEK | 11K | .15 | .14 | .125 | .109 |
| 71-CMF5512K100FHEK | CMF5512K100FHEK | 12.1K | .15 | .14 | .125 | .109 |
| 71-CMF5515K000FHEK | CMF5515K000FHEK | 15K | .15 | .14 | .125 | .109 |
| 71-CMF5517K400FHEK | CMF5517K400FHEK | 17.4K | .15 | .14 | .125 | .109 |
| 71-CMF5518K200FHEK | CMF5518K200FHEK | 18.2K | .15 | .14 | .125 | .109 |
| 71-CMF5520K000FHEK | CMF5520K000FHEK | 20K | .15 | .14 | .125 | .109 |
| 71-CMF5522K100FHEK | CMF5522K100FHEK | 22.1K | .15 | .14 | .125 | .109 |
| 71-CMF5524K900FHEK | CMF5524K900FHEK | 24.9K | .15 | .14 | .125 | .109 |
| 71-CMF5530K100FHEK | CMF5530K100FHEK | 30.1K | .15 | .14 | .125 | .109 |
| 71-CMF5533K200FHEK | CMF5533K200FHEK | 33.2K | .15 | .14 | .125 | .109 |
| 71-CMF5547K000FHEK | CMF5547K000FHEK | 47K | .15 | .14 | .125 | .109 |
| 71-CMF5540K200FHEK | CMF5540K200FHEK | 40.2K | .15 | .14 | .125 | .109 |
| 71-CMF5547K500FHEK | CMF5547K500FHEK | 47.5K | .15 | .14 | .125 | .109 |
| 71-CMF5549K900FHEK | CMF5549K900FHEK | 49.9K | .15 | .14 | .125 | .109 |
| 71-CMF5551K100FHEK | CMF5551K100FHEK | 51.1K | .15 | .14 | .125 | .109 |
| 71-CMF5590K900FHEK | CMF5590K900FHEK | 90.9K | .15 | .14 | .125 | .109 |
| 71-CMF55100K00FHEK | CMF55100K00FHEK | 100K | .14 | .115 | .08 | .07 |

| MOUSER STOCK NO. | Vishay Part Number | Value Ω | Price Each | | | |
|--|--------------------|---------|------------|------|------|------|
| | | | 1 | 25 | 100 | 500 |
| CMF55 = 1/4 Watt Rated to 1/2 Watt 50ppm 1% (cont.) | | | | | | |
| 71-CMF55110K00FHEK | CMF55110K00FHEK | 110K | .15 | .14 | .125 | .109 |
| 71-CMF55121K00FHEK | CMF55121K00FHEK | 121K | .15 | .14 | .125 | .109 |
| 71-CMF55150K00FHEK | CMF55150K00FHEK | 150K | .15 | .14 | .125 | .109 |
| 71-CMF55200K00FHEK | CMF55200K00FHEK | 200K | .15 | .14 | .125 | .109 |
| 71-CMF55221K00FHEK | CMF55221K00FHEK | 221K | .15 | .14 | .125 | .109 |
| 71-CMF55249K00FHEK | CMF55249K00FHEK | 249K | .15 | .14 | .125 | .109 |
| 71-CMF55301K00FHEK | CMF55301K00FHEK | 301K | .15 | .14 | .125 | .109 |
| 71-CMF55475K00FHEK | CMF55475K00FHEK | 475K | .15 | .14 | .125 | .109 |
| 71-CMF55499K00FHEK | CMF55499K00FHEK | 499K | .15 | .14 | .125 | .109 |
| 71-CMF551M0000FHEK | CMF551M0000FHEK | 1M | .17 | .15 | .136 | .119 |
| 71-CMF5510M000FHEK | CMF5510M000FHEK | 10M | 1.94 | 1.64 | 1.35 | 1.20 |
| CMF60 = 1/2 Watt Rated to 1 Watt 50ppm 1% | | | | | | |
| 71-CMF6010R000FHEK | CMF6010R000FHEK | 10 | .24 | .20 | .16 | .14 |
| 71-CMF6020R000FHEK | CMF6020R000FHEK | 20 | .24 | .20 | .16 | .14 |
| 71-CMF6022R100FHEK | CMF6022R100FHEK | 22.2 | .24 | .20 | .16 | .14 |
| 71-CMF6024R900FHEK | CMF6024R900FHEK | 24.9 | .24 | .20 | .16 | .14 |
| 71-CMF6030R100FHEK | CMF6030R100FHEK | 30 | .24 | .20 | .16 | .14 |
| 71-CMF6033R200FHEK | CMF6033R200FHEK | 33.2 | .24 | .20 | .16 | .14 |
| 71-CMF6039R200FHEK | CMF6039R200FHEK | 39.2 | .24 | .20 | .16 | .14 |
| 71-CMF6047R500FHEK | CMF6047R500FHEK | 47.5 | .24 | .20 | .16 | .14 |
| 71-CMF6049R900FHEK | CMF6049R900FHEK | 49.9 | .24 | .20 | .16 | .14 |
| 71-CMF6056R200FHEK | CMF6056R200FHEK | 56.2 | .24 | .20 | .16 | .14 |
| 71-CMF6075R000FHEK | CMF6075R000FHEK | 75 | .24 | .20 | .16 | .14 |
| 71-CMF60100R00FHEK | CMF60100R00FHEK | 100 | .24 | .20 | .16 | .14 |
| 71-CMF60121R00FHEK | CMF60121R00FHEK | 121 | .24 | .20 | .16 | .14 |
| 71-CMF60150R00FHEK | CMF60150R00FHEK | 150 | .24 | .20 | .16 | .14 |
| 71-CMF60182R00FHEK | CMF60182R00FHEK | 182 | .24 | .20 | .16 | .14 |
| 71-CMF60200R00FHEK | CMF60200R00FHEK | 200 | .24 | .20 | .16 | .14 |
| 71-CMF60221R00FHEK | CMF60221R00FHEK | 221 | .24 | .20 | .16 | .14 |
| 71-CMF60301R00FHEK | CMF60301R00FHEK | 301 | .24 | .20 | .16 | .14 |
| 71-CMF60332R00FHEK | CMF60332R00FHEK | 332 | .24 | .20 | .16 | .14 |
| 71-CMF60392R00FHEK | CMF60392R00FHEK | 392 | .24 | .20 | .16 | .14 |
| 71-CMF60402R00FHEK | CMF60402R00FHEK | 402 | .24 | .20 | .16 | .14 |
| 71-CMF60475R00FHEK | CMF60475R00FHEK | 475 | .24 | .20 | .16 | .14 |
| 71-CMF60499R00FHEK | CMF60499R00FHEK | 499 | .24 | .20 | .16 | .14 |
| 71-CMF60511R00FHEK | CMF60511R00FHEK | 511 | .24 | .20 | .16 | .14 |
| 71-CMF60562R00FHEK | CMF60562R00FHEK | 562 | .24 | .20 | .16 | .14 |
| 71-CMF60681R00FHEK | CMF60681R00FHEK | 681 | .24 | .20 | .16 | .14 |
| 71-CMF60750R00FHEK | CMF60750R00FHEK | 750 | .24 | .20 | .16 | .14 |
| 71-CMF60825R00FHEK | CMF60825R00FHEK | 825 | .24 | .20 | .16 | .14 |
| 71-CMF601K0000FHEK | CMF601K0000FHEK | 1K | .24 | .20 | .16 | .14 |
| 71-CMF601K1000FHEK | CMF601K1000FHEK | 1.1K | .24 | .20 | .16 | .14 |
| 71-CMF601K2100FHEK | CMF601K2100FHEK | 1.21K | .24 | .20 | .1 | |