

## AAHSC-D Series

## Features

- Qualified to AEC-Q200.
- Can be used for high frequency bands up to GHz and stable inductance at high frequency.
- The high self resonant frequency realizes high Q value
- Recin-coated surface enables excellent mounting.
- Low DC resistance design is ideal for low loss high output and low power consumption.

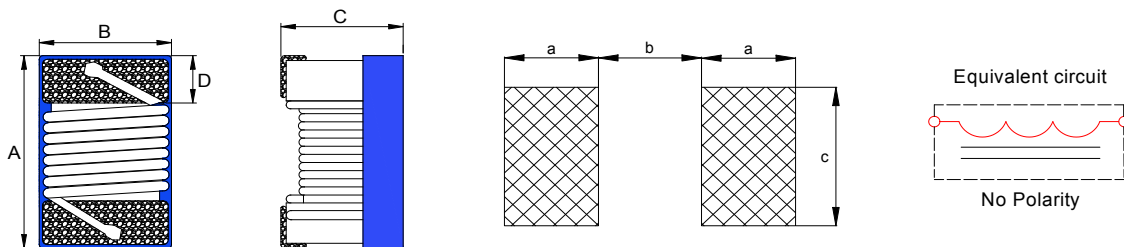
## Applications

- For high-frequency applications including mobile phones, portable phone, such as PA, ANT, VCO, SAW tec.
- Mobile phones such as GSM, CDMA, PDC, tec.
- Bluetooth W-LAN.

## Test Equipment and Conditions

- L, Q : Agilent/HP E4991A+ Agilent/HP16197A.
- SRF : Agilent/HP E4991A+ Agilent/HP 16197A.
- Rdc : DIGITAL MILLIOHM METER Chroma 16502 or equivalent.
- Operating temperature range from -40°C to 125°C (Including self - temperature rise).

## External Dimensions (Unit:m/m)



| TYPE        | METRIC | A       | B       | C       | D       | a       | b       | c       | Q'Ty/Reel |
|-------------|--------|---------|---------|---------|---------|---------|---------|---------|-----------|
| AAHSC100505 | 0402   | 1.19Max | 0.7Max  | 0.66Max | 0.23Ref | 0.36Ref | 0.46Ref | 0.66Ref | 4000      |
| AAHSC160808 | 0603   | 1.8Max  | 1.2Max  | 1.02Max | 0.33Ref | 0.64Ref | 0.64Ref | 1.02Ref | 4000      |
| AAHSC201212 | 0805   | 2.4Max  | 1.73Max | 1.52Max | 0.44Ref | 1.02Ref | 0.76Ref | 1.78Ref | 2000      |
| AAHSC292520 | 1008   | 2.92Max | 2.79Max | 2.23Max | 0.5Ref  | 1.02Ref | 1.27Ref | 2.54Ref | 2000      |
| AAHSC362924 | 1210   | 3.6Max  | 2.9Max  | 2.4Max  | 0.5Ref  | 1.02Ref | 1.78Ref | 2.54Ref | 2000      |

## 2. Part Number Code

AAHSC  
Series Name

100505  
Dimensions:  
L\*W\*H

□  
Tolerance  
J:5%  
K:10%  
M:20%

1N0  
Inductance

D  
Internal Controls

### AAHSC-D Series

| Part Number      | Inductance (nH) | Test Freq. (MHz) | Q min. | SRF (MHz)Min. | RDC (Ω)Max. | Irms (mA)Max. |
|------------------|-----------------|------------------|--------|---------------|-------------|---------------|
| AAHSC100505□1N0D | 1               | 250              | 10/250 | 12900         | 0.045       | 1360          |
| AAHSC100505□1N2D | 1.2             | 250              | 8/250  | 12900         | 0.15        | 900           |
| AAHSC100505□1N3D | 1.3             | 250              | 8/250  | 12900         | 0.15        | 800           |
| AAHSC100505□1N5D | 1.5             | 250              | 8/250  | 12900         | 0.15        | 800           |
| AAHSC100505□1N8D | 1.8             | 250              | 20/250 | 12000         | 0.07        | 1040          |
| AAHSC100505□1N9D | 1.9             | 250              | 20/250 | 11300         | 0.07        | 1040          |
| AAHSC100505□2N0D | 2               | 250              | 23/250 | 11100         | 0.09        | 1040          |
| AAHSC100505□2N2D | 2.2             | 250              | 22/250 | 10800         | 0.09        | 960           |
| AAHSC100505□2N4D | 2.4             | 250              | 22/250 | 10500         | 0.09        | 790           |
| AAHSC100505□2N7D | 2.7             | 250              | 12/250 | 10400         | 0.17        | 200           |
| AAHSC100505□3N0D | 3               | 250              | 24/250 | 7000          | 0.076       | 840           |
| AAHSC100505□3N3D | 3.3             | 250              | 24/250 | 7000          | 0.076       | 840           |
| AAHSC100505□3N6D | 3.6             | 250              | 24/250 | 6800          | 0.076       | 840           |
| AAHSC100505□3N9D | 3.9             | 250              | 24/250 | 6000          | 0.076       | 840           |
| AAHSC100505□4N1D | 4.1             | 250              | 22/250 | 6000          | 0.091       | 700           |
| AAHSC100505□4N3D | 4.3             | 250              | 22/250 | 6000          | 0.091       | 700           |
| AAHSC100505□4N7D | 4.7             | 250              | 20/250 | 4770          | 0.13        | 640           |
| AAHSC100505□5N1D | 5.1             | 250              | 23/250 | 4800          | 0.11        | 800           |
| AAHSC100505□5N6D | 5.6             | 250              | 25/250 | 4800          | 0.11        | 760           |
| AAHSC100505□5N8D | 5.8             | 250              | 25/250 | 4800          | 0.11        | 760           |
| AAHSC100505□6N2D | 6.2             | 250              | 25/250 | 4800          | 0.11        | 760           |
| AAHSC100505□6N8D | 6.8             | 250              | 24/250 | 4800          | 0.12        | 680           |
| AAHSC100505□7N2D | 7.2             | 250              | 25/250 | 4800          | 0.12        | 680           |
| AAHSC100505□7N3D | 7.3             | 250              | 25/250 | 4800          | 0.12        | 680           |
| AAHSC100505□7N5D | 7.5             | 250              | 25/250 | 4800          | 0.15        | 680           |
| AAHSC100505□8N2D | 8.2             | 250              | 25/250 | 4400          | 0.15        | 680           |
| AAHSC100505□8N7D | 8.7             | 250              | 25/250 | 4100          | 0.2         | 480           |
| AAHSC100505□9N0D | 9               | 250              | 25/250 | 4160          | 0.15        | 680           |
| AAHSC100505□9N1D | 9.1             | 250              | 25/250 | 4160          | 0.15        | 680           |
| AAHSC100505□9N5D | 9.5             | 250              | 24/250 | 4000          | 0.2         | 480           |
| AAHSC100505□10ND | 10              | 250              | 24/250 | 3900          | 0.2         | 480           |
| AAHSC100505□11ND | 11              | 250              | 26/250 | 3680          | 0.12        | 640           |

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|------------------|-----------------|------------------|--------|---------------|----------------------|---------------|
| AAHSC100505□12ND | 12              | 250              | 26/250 | 3600          | 0.12                 | 640           |
| AAHSC100505□13ND | 13              | 250              | 24/250 | 3450          | 0.21                 | 440           |
| AAHSC100505□15ND | 15              | 250              | 26/250 | 3280          | 0.17                 | 560           |
| AAHSC100505□16ND | 16              | 250              | 25/250 | 3100          | 0.25                 | 560           |
| AAHSC100505□18ND | 18              | 250              | 25/250 | 3100          | 0.23                 | 420           |
| AAHSC100505□19ND | 19              | 250              | 26/250 | 3040          | 0.24                 | 480           |
| AAHSC100505□20ND | 20              | 250              | 26/250 | 3000          | 0.25                 | 420           |
| AAHSC100505□22ND | 22              | 250              | 25/250 | 2800          | 0.3                  | 400           |
| AAHSC100505□23ND | 23              | 250              | 25/250 | 2720          | 0.3                  | 400           |
| AAHSC100505□24ND | 24              | 250              | 25/250 | 2700          | 0.35                 | 400           |
| AAHSC100505□27ND | 27              | 250              | 25/250 | 2480          | 0.3                  | 400           |
| AAHSC100505□30ND | 30              | 250              | 25/250 | 2350          | 0.4                  | 400           |
| AAHSC100505□33ND | 33              | 250              | 24/250 | 2350          | 0.4                  | 400           |
| AAHSC100505□36ND | 36              | 250              | 25/250 | 2320          | 0.5                  | 320           |
| AAHSC100505□39ND | 39              | 250              | 25/250 | 2100          | 0.55                 | 200           |
| AAHSC100505□40ND | 40              | 250              | 24/250 | 2240          | 0.65                 | 320           |
| AAHSC100505□43ND | 43              | 250              | 25/250 | 2030          | 0.81                 | 100           |
| AAHSC100505□47ND | 47              | 250              | 25/250 | 2100          | 0.83                 | 150           |
| AAHSC100505□51ND | 51              | 250              | 25/250 | 1750          | 0.92                 | 100           |
| AAHSC100505□56ND | 56              | 250              | 25/250 | 1760          | 0.97                 | 100           |
| AAHSC100505□62ND | 62              | 250              | 25/250 | 1620          | 1.4                  | 100           |
| AAHSC100505□68ND | 68              | 250              | 25/250 | 1620          | 1.5                  | 100           |
| AAHSC100505□72ND | 72              | 250              | 25/250 | 1260          | 1.7                  | 50            |
| AAHSC100505□75ND | 75              | 250              | 25/250 | 1260          | 1.75                 | 50            |
| AAHSC100505□77ND | 77              | 250              | 25/250 | 1260          | 1.75                 | 50            |
| AAHSC100505□82ND | 82              | 250              | 25/250 | 1260          | 1.8                  | 50            |
| AAHSC100505□91ND | 91              | 250              | 24/250 | 1160          | 2.2                  | 30            |
| AAHSC100505□R10D | 100             | 250              | 24/250 | 1160          | 2.5                  | 30            |
| AAHSC100505□R11D | 110             | 250              | 24/250 | 1150          | 2.6                  | 30            |
| AAHSC100505□R12D | 120             | 250              | 24/250 | 1100          | 2.2                  | 30            |
| AAHSC160808□1N5D | 1.5             | 250              | 24/250 | 12500         | 0.03                 | 700           |
| AAHSC160808□1N6D | 1.6             | 250              | 24/250 | 12500         | 0.03                 | 700           |
| AAHSC160808□1N8D | 1.8             | 250              | 16/250 | 12500         | 0.045                | 700           |

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|------------------|-----------------|------------------|--------|---------------|-------------|---------------|
| AAHSC160808□2N0D | 2               | 250              | 12/250 | 12500         | 0.25        | 100           |
| AAHSC160808□2N2D | 2.2             | 100              | 12/100 | 12500         | 0.25        | 100           |
| AAHSC160808□2N7D | 2.7             | 250              | 22/250 | 5900          | 0.045       | 700           |
| AAHSC160808□3N3D | 3.3             | 250              | 22/250 | 5900          | 0.045       | 700           |
| AAHSC160808□3N6D | 3.6             | 250              | 22/250 | 5900          | 0.063       | 700           |
| AAHSC160808□3N9D | 3.9             | 250              | 22/250 | 6900          | 0.08        | 700           |
| AAHSC160808□4N3D | 4.3             | 250              | 22/250 | 5900          | 0.063       | 700           |
| AAHSC160808□4N7D | 4.7             | 250              | 20/250 | 5800          | 0.116       | 700           |
| AAHSC160808□5N1D | 5.1             | 250              | 20/250 | 5700          | 0.14        | 700           |
| AAHSC160808□5N6D | 5.6             | 250              | 26/250 | 4760          | 0.075       | 700           |
| AAHSC160808□6N2D | 6.2             | 250              | 20/250 | 5700          | 0.14        | 700           |
| AAHSC160808□6N3D | 6.3             | 250              | 20/250 | 5700          | 0.14        | 700           |
| AAHSC160808□6N8D | 6.8             | 250              | 27/250 | 5800          | 0.11        | 700           |
| AAHSC160808□7N5D | 7.5             | 250              | 28/250 | 4800          | 0.106       | 700           |
| AAHSC160808□8N0D | 8               | 250              | 28/250 | 4700          | 0.109       | 700           |
| AAHSC160808□8N2D | 8.2             | 250              | 30/250 | 4200          | 0.115       | 700           |
| AAHSC160808□8N7D | 8.7             | 250              | 28/250 | 4600          | 0.109       | 700           |
| AAHSC160808□9N1D | 9.1             | 250              | 28/250 | 5400          | 0.125       | 700           |
| AAHSC160808□9N5D | 9.5             | 250              | 28/250 | 5400          | 0.125       | 700           |
| AAHSC160808□10ND | 10              | 250              | 31/250 | 4800          | 0.13        | 700           |
| AAHSC160808□11ND | 11              | 250              | 30/250 | 4000          | 0.13        | 700           |
| AAHSC160808□12ND | 12              | 250              | 35/250 | 4000          | 0.13        | 700           |
| AAHSC160808□13ND | 13              | 250              | 35/250 | 4000          | 0.13        | 700           |
| AAHSC160808□15ND | 15              | 250              | 35/250 | 4000          | 0.17        | 700           |
| AAHSC160808□16ND | 16              | 250              | 34/250 | 3300          | 0.17        | 700           |
| AAHSC160808□18ND | 18              | 250              | 35/250 | 3100          | 0.17        | 700           |
| AAHSC160808□20ND | 20              | 250              | 36/250 | 3000          | 0.18        | 700           |
| AAHSC160808□22ND | 22              | 250              | 38/250 | 3000          | 0.19        | 700           |
| AAHSC160808□23ND | 23              | 250              | 38/250 | 3000          | 0.19        | 700           |
| AAHSC160808□24ND | 24              | 250              | 36/250 | 2650          | 0.135       | 700           |
| AAHSC160808□27ND | 27              | 250              | 40/250 | 2800          | 0.22        | 600           |
| AAHSC160808□30ND | 30              | 250              | 37/250 | 2250          | 0.22        | 600           |
| AAHSC160808□33ND | 33              | 250              | 40/250 | 2300          | 0.22        | 600           |

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|------------------|-----------------|------------------|--------|---------------|-------------|---------------|
| AAHSC160808□36ND | 36              | 250              | 37/250 | 2080          | 0.25        | 600           |
| AAHSC160808□39ND | 39              | 250              | 40/250 | 2200          | 0.25        | 600           |
| AAHSC160808□43ND | 43              | 250              | 38/250 | 2000          | 0.28        | 600           |
| AAHSC160808□47ND | 47              | 200              | 38/200 | 2000          | 0.28        | 600           |
| AAHSC160808□51ND | 51              | 200              | 35/200 | 1900          | 0.27        | 600           |
| AAHSC160808□56ND | 56              | 200              | 38/200 | 1900          | 0.31        | 600           |
| AAHSC160808□60ND | 60              | 200              | 37/200 | 1800          | 0.33        | 600           |
| AAHSC160808□62ND | 62              | 200              | 37/200 | 1800          | 0.33        | 600           |
| AAHSC160808□68ND | 68              | 200              | 37/200 | 1700          | 0.34        | 600           |
| AAHSC160808□72ND | 72              | 150              | 34/150 | 1700          | 0.49        | 400           |
| AAHSC160808□75ND | 75              | 150              | 28/150 | 1700          | 0.52        | 400           |
| AAHSC160808□82ND | 82              | 150              | 34/150 | 1700          | 0.54        | 400           |
| AAHSC160808□85ND | 85              | 150              | 34/150 | 1700          | 0.58        | 400           |
| AAHSC160808□90ND | 90              | 150              | 28/150 | 1600          | 0.58        | 400           |
| AAHSC160808□91ND | 91              | 150              | 28/150 | 1600          | 0.58        | 400           |
| AAHSC160808□R10D | 100             | 150              | 34/150 | 1400          | 0.58        | 400           |
| AAHSC160808□R11D | 110             | 150              | 32/150 | 1350          | 0.61        | 300           |
| AAHSC160808□R12D | 120             | 150              | 32/150 | 1300          | 0.65        | 300           |
| AAHSC160808□R13D | 130             | 150              | 32/150 | 1150          | 0.92        | 290           |
| AAHSC160808□R15D | 150             | 150              | 28/150 | 990           | 0.92        | 280           |
| AAHSC160808□R16D | 160             | 150              | 28/150 | 990           | 1.25        | 280           |
| AAHSC160808□R18D | 180             | 100              | 25/100 | 990           | 1.25        | 240           |
| AAHSC160808□R20D | 200             | 100              | 25/100 | 900           | 1.98        | 200           |
| AAHSC160808□R22D | 220             | 100              | 25/100 | 900           | 2.1         | 200           |
| AAHSC160808□R24D | 240             | 100              | 25/100 | 900           | 2.2         | 200           |
| AAHSC160808□R25D | 250             | 100              | 25/100 | 882           | 2.55        | 120           |
| AAHSC160808□R27D | 270             | 100              | 26/100 | 830           | 2.16        | 170           |
| AAHSC160808□R29D | 290             | 100              | 25/100 | 800           | 3.2         | 100           |
| AAHSC160808□R30D | 300             | 100              | 25/100 | 790           | 2.5         | 100           |
| AAHSC160808□R33D | 330             | 100              | 25/100 | 790           | 3.89        | 100           |
| AAHSC160808□R39D | 390             | 100              | 25/100 | 780           | 4.35        | 100           |
| AAHSC160808□R47D | 470             | 100              | 25/100 | 700           | 4.5         | 100           |
| AAHSC160808□R56D | 560             | 100              | 23/100 | 460           | 5           | 90            |

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|------------------|-----------------|------------------|---------|---------------|----------------------|---------------|
| AAHSC201212□2N2D | 2.2             | 250              | 50/1000 | 7900          | 0.06                 | 800           |
| AAHSC201212□2N7D | 2.7             | 250              | 50/1000 | 7900          | 0.06                 | 800           |
| AAHSC201212□2N8D | 2.8             | 250              | 40/1500 | 7900          | 0.06                 | 800           |
| AAHSC201212□2N9D | 2.9             | 250              | 40/1500 | 7900          | 0.06                 | 800           |
| AAHSC201212□3N0D | 3               | 250              | 40/1500 | 7900          | 0.06                 | 800           |
| AAHSC201212□3N3D | 3.3             | 250              | 40/1500 | 7900          | 0.08                 | 600           |
| AAHSC201212□3N6D | 3.6             | 250              | 20/1000 | 7900          | 0.1                  | 200           |
| AAHSC201212□3N9D | 3.9             | 250              | 20/1000 | 7900          | 0.11                 | 150           |
| AAHSC201212□4N7D | 4.7             | 250              | 35/1000 | 6200          | 0.08                 | 600           |
| AAHSC201212□5N1D | 5.1             | 250              | 50/1000 | 6200          | 0.08                 | 600           |
| AAHSC201212□5N6D | 5.6             | 250              | 65/1000 | 5900          | 0.08                 | 600           |
| AAHSC201212□6N2D | 6.2             | 250              | 65/1000 | 5900          | 0.08                 | 600           |
| AAHSC201212□6N8D | 6.8             | 250              | 50/1000 | 5600          | 0.11                 | 600           |
| AAHSC201212□7N5D | 7.5             | 250              | 50/1000 | 4800          | 0.14                 | 600           |
| AAHSC201212□8N2D | 8.2             | 250              | 50/1000 | 4400          | 0.12                 | 600           |
| AAHSC201212□9N1D | 9.1             | 250              | 60/500  | 4300          | 0.1                  | 600           |
| AAHSC201212□10ND | 10              | 250              | 60/500  | 4300          | 0.1                  | 600           |
| AAHSC201212□12ND | 12              | 250              | 50/500  | 4000          | 0.15                 | 600           |
| AAHSC201212□15ND | 15              | 250              | 50/500  | 3200          | 0.17                 | 600           |
| AAHSC201212□16ND | 16              | 250              | 50/500  | 3200          | 0.17                 | 600           |
| AAHSC201212□18ND | 18              | 250              | 50/500  | 3100          | 0.2                  | 600           |
| AAHSC201212□20ND | 20              | 250              | 55/500  | 2600          | 0.22                 | 500           |
| AAHSC201212□22ND | 22              | 250              | 55/500  | 2600          | 0.22                 | 500           |
| AAHSC201212□23ND | 23              | 250              | 50/500  | 2400          | 0.22                 | 500           |
| AAHSC201212□24ND | 24              | 250              | 50/500  | 2400          | 0.22                 | 500           |
| AAHSC201212□25ND | 25              | 250              | 50/500  | 2450          | 0.22                 | 500           |
| AAHSC201212□27ND | 27              | 250              | 55/500  | 2580          | 0.25                 | 500           |
| AAHSC201212□30ND | 30              | 250              | 55/500  | 2400          | 0.25                 | 500           |
| AAHSC201212□33ND | 33              | 250              | 60/500  | 2150          | 0.27                 | 500           |
| AAHSC201212□36ND | 36              | 250              | 55/500  | 1900          | 0.27                 | 500           |
| AAHSC201212□39ND | 39              | 250              | 60/500  | 1850          | 0.29                 | 500           |
| AAHSC201212□43ND | 43              | 200              | 60/500  | 1800          | 0.34                 | 500           |
| AAHSC201212□47ND | 47              | 200              | 60/500  | 1700          | 0.31                 | 500           |

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|------------------|-----------------|------------------|--------|---------------|-------------|---------------|
| AAHSC201212□50ND | 50              | 200              | 60/500 | 1650          | 0.34        | 500           |
| AAHSC201212□56ND | 56              | 200              | 60/500 | 1600          | 0.34        | 500           |
| AAHSC201212□62ND | 62              | 200              | 60/500 | 1450          | 0.36        | 500           |
| AAHSC201212□64ND | 64              | 200              | 60/500 | 1500          | 0.38        | 500           |
| AAHSC201212□66ND | 66              | 200              | 60/500 | 1500          | 0.38        | 500           |
| AAHSC201212□68ND | 68              | 200              | 60/500 | 1500          | 0.38        | 500           |
| AAHSC201212□75ND | 75              | 150              | 60/500 | 1400          | 0.4         | 450           |
| AAHSC201212□78ND | 78              | 150              | 60/500 | 1400          | 0.4         | 450           |
| AAHSC201212□82ND | 82              | 150              | 65/500 | 1330          | 0.42        | 400           |
| AAHSC201212□91ND | 91              | 150              | 65/500 | 1330          | 0.48        | 400           |
| AAHSC201212□92ND | 92              | 150              | 65/500 | 1330          | 0.48        | 400           |
| AAHSC201212□R10D | 100             | 150              | 65/500 | 1250          | 0.46        | 400           |
| AAHSC201212□R11D | 110             | 150              | 50/250 | 1100          | 0.48        | 400           |
| AAHSC201212□R12D | 120             | 150              | 50/250 | 1100          | 0.51        | 400           |
| AAHSC201212□R14D | 140             | 100              | 50/250 | 920           | 0.56        | 400           |
| AAHSC201212□R15D | 150             | 100              | 50/250 | 920           | 0.56        | 400           |
| AAHSC201212□R16D | 160             | 100              | 50/250 | 920           | 0.6         | 400           |
| AAHSC201212□R18D | 180             | 100              | 50/250 | 920           | 0.64        | 400           |
| AAHSC201212□R20D | 200             | 100              | 50/250 | 860           | 0.68        | 400           |
| AAHSC201212□R22D | 220             | 100              | 50/250 | 820           | 0.7         | 400           |
| AAHSC201212□R24D | 240             | 100              | 44/250 | 770           | 1           | 350           |
| AAHSC201212□R25D | 250             | 100              | 45/250 | 750           | 1.2         | 350           |
| AAHSC201212□R27D | 270             | 100              | 48/250 | 730           | 1           | 350           |
| AAHSC201212□R28D | 280             | 100              | 48/250 | 550           | 1.35        | 350           |
| AAHSC201212□R29D | 290             | 150              | 48/250 | 450           | 1.4         | 310           |
| AAHSC201212□R30D | 300             | 150              | 48/250 | 450           | 1.4         | 310           |
| AAHSC201212□R33D | 330             | 100              | 48/250 | 650           | 1.4         | 310           |
| AAHSC201212□R36D | 360             | 100              | 48/250 | 630           | 1.45        | 300           |
| AAHSC201212□R39D | 390             | 100              | 48/250 | 600           | 1.5         | 290           |
| AAHSC201212□R42D | 420             | 50               | 33/100 | 425           | 1.7         | 250           |
| AAHSC201212□R43D | 430             | 50               | 33/100 | 425           | 1.7         | 250           |
| AAHSC201212□R47D | 470             | 50               | 33/100 | 375           | 1.76        | 250           |
| AAHSC201212□R56D | 560             | 25               | 23/50  | 330           | 1.9         | 230           |

## AAHSC-D Series

| Part Number      | Inductance (nH) | Test Freq. (MHz) | Q min. | SRF (MHz)Min. | RDC (Ω)Max. | Irms (mA)Max. |
|------------------|-----------------|------------------|--------|---------------|-------------|---------------|
| AAHSC201212□R62D | 620             | 25               | 23/50  | 320           | 2.2         | 210           |
| AAHSC201212□R68D | 680             | 25               | 23/50  | 310           | 2.2         | 190           |
| AAHSC201212□R75D | 750             | 25               | 23/50  | 310           | 2.3         | 180           |
| AAHSC201212□R82D | 820             | 25               | 23/50  | 310           | 2.35        | 180           |
| AAHSC201212□R88D | 880             | 25               | 23/50  | 310           | 2.35        | 180           |
| AAHSC201212□R91D | 910             | 25               | 22/50  | 250           | 2.45        | 170           |
| AAHSC201212□1R0D | 1000            | 25               | 20/50  | 220           | 2.5         | 170           |
| AAHSC201212□1R2D | 1200            | 25               | 20/25  | 180           | 2.9         | 150           |
| AAHSC201212□1R5D | 1500            | 25               | 20/25  | 160           | 3.3         | 150           |
| AAHSC201212□1R6D | 1600            | 25               | 20/25  | 140           | 3.4         | 150           |
| AAHSC201212□1R8D | 1800            | 25               | 20/25  | 130           | 3.5         | 120           |
| AAHSC201212□2R2D | 2200            | 25               | 20/25  | 100           | 4.5         | 120           |
| AAHSC201212□2R7D | 2700            | 25               | 18/25  | 80            | 4.8         | 100           |
| AAHSC201212□3R0D | 3000            | 25               | 18/25  | 60            | 5           | 60            |
| AAHSC201212□3R3D | 3300            | 25               | 18/25  | 50            | 6.8         | 50            |
| AAHSC201212□4R7D | 4700            | 25               | 18/25  | 40            | 7           | 30            |
| AAHSC292520□3N9D | 3.9             | 50               | 50/500 | 4100          | 0.08        | 1000          |
| AAHSC292520□4N7D | 4.7             | 50               | 50/500 | 4100          | 0.08        | 1000          |
| AAHSC292520□5N6D | 5.6             | 50               | 30/500 | 4100          | 0.2         | 650           |
| AAHSC292520□6N2D | 6.2             | 50               | 20/500 | 4100          | 0.2         | 400           |
| AAHSC292520□10ND | 10              | 50               | 50/500 | 4100          | 0.08        | 1000          |
| AAHSC292520□12ND | 12              | 50               | 50/500 | 3300          | 0.09        | 1000          |
| AAHSC292520□15ND | 15              | 50               | 50/500 | 2500          | 0.1         | 1000          |
| AAHSC292520□18ND | 18              | 50               | 50/350 | 2500          | 0.11        | 1000          |
| AAHSC292520□22ND | 22              | 50               | 55/350 | 2400          | 0.12        | 1000          |
| AAHSC292520□24ND | 24              | 50               | 55/350 | 1600          | 0.13        | 1000          |
| AAHSC292520□27ND | 27              | 50               | 55/350 | 1600          | 0.13        | 1000          |
| AAHSC292520□33ND | 33              | 50               | 60/350 | 1600          | 0.14        | 1000          |
| AAHSC292520□36ND | 36              | 50               | 60/350 | 1500          | 0.15        | 1000          |
| AAHSC292520□39ND | 39              | 50               | 60/350 | 1500          | 0.15        | 1000          |
| AAHSC292520□47ND | 47              | 50               | 65/350 | 1500          | 0.16        | 1000          |
| AAHSC292520□51ND | 51              | 50               | 65/350 | 1300          | 0.18        | 1000          |
| AAHSC292520□54ND | 54              | 50               | 65/350 | 1300          | 0.18        | 1000          |

### AAHSC-D Series

| Part Number      | Inductance (nH) | Test Freq. (MHz) | Q min. | SRF (MHz)Min. | RDC ( $\Omega$ )Max. | Irms (mA)Max. |
|------------------|-----------------|------------------|--------|---------------|----------------------|---------------|
| AAHSC292520□56ND | 56              | 50               | 65/350 | 1300          | 0.18                 | 1000          |
| AAHSC292520□65ND | 65              | 50               | 65/350 | 1300          | 0.2                  | 1000          |
| AAHSC292520□68ND | 68              | 50               | 65/350 | 1300          | 0.2                  | 1000          |
| AAHSC292520□75ND | 75              | 50               | 60/350 | 1000          | 0.22                 | 1000          |
| AAHSC292520□82ND | 82              | 50               | 60/350 | 1000          | 0.22                 | 1000          |
| AAHSC292520□R10D | 100             | 25               | 60/350 | 1000          | 0.56                 | 650           |
| AAHSC292520□R11D | 110             | 25               | 60/350 | 950           | 0.63                 | 650           |
| AAHSC292520□R12D | 120             | 25               | 60/350 | 950           | 0.63                 | 650           |
| AAHSC292520□R15D | 150             | 25               | 45/100 | 850           | 0.7                  | 580           |
| AAHSC292520□R18D | 180             | 25               | 45/100 | 750           | 0.77                 | 620           |
| AAHSC292520□R20D | 200             | 25               | 45/100 | 700           | 0.84                 | 500           |
| AAHSC292520□R21D | 210             | 25               | 45/100 | 700           | 0.84                 | 500           |
| AAHSC292520□R22D | 220             | 25               | 45/100 | 700           | 0.84                 | 500           |
| AAHSC292520□R24D | 240             | 25               | 45/100 | 700           | 0.84                 | 500           |
| AAHSC292520□R26D | 260             | 25               | 45/100 | 600           | 0.91                 | 500           |
| AAHSC292520□R27D | 270             | 25               | 45/100 | 600           | 0.91                 | 500           |
| AAHSC292520□R29D | 290             | 25               | 45/100 | 570           | 1.05                 | 450           |
| AAHSC292520□R30D | 300             | 25               | 45/100 | 570           | 1.05                 | 450           |
| AAHSC292520□R33D | 330             | 25               | 45/100 | 570           | 1.05                 | 450           |
| AAHSC292520□R35D | 350             | 25               | 45/100 | 500           | 1.12                 | 470           |
| AAHSC292520□R36D | 360             | 25               | 45/100 | 500           | 1.12                 | 470           |
| AAHSC292520□R39D | 390             | 25               | 45/100 | 500           | 1.12                 | 470           |
| AAHSC292520□R43D | 430             | 25               | 45/100 | 450           | 1.19                 | 470           |
| AAHSC292520□R47D | 470             | 25               | 45/100 | 450           | 1.19                 | 470           |
| AAHSC292520□R51D | 510             | 25               | 45/100 | 415           | 1.33                 | 400           |
| AAHSC292520□R54D | 540             | 25               | 45/100 | 415           | 1.33                 | 400           |
| AAHSC292520□R56D | 560             | 25               | 45/100 | 415           | 1.33                 | 400           |
| AAHSC292520□R62D | 620             | 25               | 45/100 | 375           | 1.4                  | 300           |
| AAHSC292520□R64D | 640             | 25               | 45/100 | 375           | 1.4                  | 300           |
| AAHSC292520□R66D | 660             | 25               | 45/100 | 375           | 1.47                 | 400           |
| AAHSC292520□R68D | 680             | 25               | 45/100 | 375           | 1.47                 | 400           |
| AAHSC292520□R75D | 750             | 25               | 45/100 | 360           | 1.54                 | 360           |
| AAHSC292520□R82D | 820             | 25               | 45/100 | 350           | 1.61                 | 400           |

## AAHSC-D Series

| Part Number      | Inductance (nH) | Test Freq. (MHz) | Q min. | SRF (MHz)Min. | RDC (Ω)Max. | Irms (mA)Max. |
|------------------|-----------------|------------------|--------|---------------|-------------|---------------|
| AAHSC292520□R88D | 880             | 25               | 35/50  | 320           | 1.68        | 380           |
| AAHSC292520□R91D | 910             | 25               | 35/50  | 320           | 1.68        | 380           |
| AAHSC292520□1R0D | 1000            | 25               | 35/50  | 290           | 1.75        | 370           |
| AAHSC292520□1R2D | 1200            | 7.9              | 35/50  | 250           | 2           | 310           |
| AAHSC292520□1R5D | 1500            | 7.9              | 28/50  | 200           | 2.3         | 330           |
| AAHSC292520□1R6D | 1600            | 7.9              | 28/50  | 200           | 2.3         | 330           |
| AAHSC292520□1R8D | 1800            | 7.9              | 28/50  | 160           | 2.6         | 300           |
| AAHSC292520□2R0D | 2000            | 7.9              | 28/50  | 160           | 2.8         | 280           |
| AAHSC292520□2R2D | 2200            | 7.9              | 28/50  | 160           | 2.8         | 280           |
| AAHSC292520□2R7D | 2700            | 7.9              | 22/25  | 140           | 3.2         | 290           |
| AAHSC292520□3R3D | 3300            | 7.9              | 22/25  | 110           | 3.4         | 290           |
| AAHSC292520□3R9D | 3900            | 7.9              | 20/25  | 100           | 3.6         | 260           |
| AAHSC292520□4R7D | 4700            | 7.9              | 20/7.9 | 60            | 4           | 260           |
| AAHSC292520□5R6D | 5600            | 7.9              | 16/7.9 | 20            | 5.7         | 240           |
| AAHSC292520□6R8D | 6800            | 7.9              | 18/7.9 | 40            | 7.7         | 200           |
| AAHSC292520□8R2D | 8200            | 7.9              | 18/7.9 | 25            | 10.7        | 170           |
| AAHSC292520□100D | 10000           | 7.9              | 18/7.9 | 25            | 12.7        | 100           |
| AAHSC362924□10ND | 10              | 100              | 40/300 | 4000          | 0.08        | 1000          |
| AAHSC362924□12ND | 12              | 100              | 40/300 | 3200          | 0.08        | 1000          |
| AAHSC362924□15ND | 15              | 100              | 40/300 | 3200          | 0.2         | 1000          |
| AAHSC362924□18ND | 18              | 100              | 50/300 | 2800          | 0.1         | 1000          |
| AAHSC362924□22ND | 22              | 100              | 50/300 | 2200          | 0.1         | 1000          |
| AAHSC362924□27ND | 27              | 100              | 50/300 | 1800          | 0.11        | 1000          |
| AAHSC362924□33ND | 33              | 100              | 55/300 | 1800          | 0.11        | 1000          |
| AAHSC362924□39ND | 39              | 100              | 55/300 | 1500          | 0.12        | 1000          |
| AAHSC362924□43ND | 43              | 100              | 55/300 | 1500          | 0.12        | 1000          |
| AAHSC362924□47ND | 47              | 100              | 55/300 | 1500          | 0.13        | 1000          |
| AAHSC362924□56ND | 56              | 100              | 55/300 | 1450          | 0.14        | 1000          |
| AAHSC362924□68ND | 68              | 100              | 55/300 | 1200          | 0.15        | 900           |
| AAHSC362924□82ND | 82              | 100              | 55/300 | 1000          | 0.2         | 900           |
| AAHSC362924□91ND | 91              | 100              | 60/300 | 1100          | 0.2         | 1000          |
| AAHSC362924□R10D | 100             | 100              | 55/300 | 900           | 0.2         | 850           |
| AAHSC362924□R12D | 120             | 100              | 60/300 | 800           | 0.25        | 800           |

## AAHSC-D Series

| Part Number      | Inductance (nH) | Test Freq. (MHz) | Q min. | SRF (MHz)Min. | RDC ( $\Omega$ )Max. | I <sub>rms</sub> (mA)Max. |
|------------------|-----------------|------------------|--------|---------------|----------------------|---------------------------|
| AAHSC362924□R15D | 150             | 100              | 60/300 | 700           | 0.3                  | 750                       |
| AAHSC362924□R18D | 180             | 50               | 60/300 | 650           | 0.3                  | 700                       |
| AAHSC362924□R22D | 220             | 50               | 60/300 | 650           | 0.4                  | 770                       |
| AAHSC362924□R24D | 240             | 50               | 40/300 | 580           | 0.4                  | 630                       |
| AAHSC362924□R27D | 270             | 50               | 40/300 | 580           | 0.4                  | 630                       |
| AAHSC362924□R33D | 330             | 50               | 45/150 | 580           | 0.58                 | 590                       |
| AAHSC362924□R36D | 360             | 50               | 45/150 | 510           | 0.58                 | 530                       |
| AAHSC362924□R39D | 390             | 50               | 45/150 | 510           | 0.58                 | 530                       |
| AAHSC362924□R47D | 470             | 50               | 45/150 | 480           | 1                    | 490                       |
| AAHSC362924□R56D | 560             | 25               | 45/150 | 420           | 1.1                  | 460                       |
| AAHSC362924□R68D | 680             | 25               | 45/150 | 400           | 1.2                  | 430                       |
| AAHSC362924□R82D | 820             | 35               | 45/150 | 370           | 2                    | 400                       |
| AAHSC362924□1R0D | 1000            | 25               | 45/150 | 340           | 1.85                 | 320                       |
| AAHSC362924□1R2D | 1200            | 25               | 45/150 | 220           | 2.3                  | 300                       |
| AAHSC362924□1R5D | 1500            | 7.9              | 20/50  | 160           | 2.7                  | 310                       |
| AAHSC362924□1R8D | 1800            | 7.9              | 30/50  | 160           | 3.5                  | 310                       |
| AAHSC362924□2R2D | 2200            | 7.9              | 25/50  | 130           | 2.41                 | 310                       |
| AAHSC362924□2R7D | 2700            | 7.9              | 25/50  | 110           | 3.5                  | 300                       |
| AAHSC362924□3R0D | 3000            | 7.9              | 20/25  | 110           | 3.5                  | 300                       |
| AAHSC362924□3R3D | 3300            | 7.9              | 20/25  | 60            | 3.6                  | 290                       |
| AAHSC362924□3R9D | 3900            | 7.9              | 20/25  | 60            | 4                    | 290                       |
| AAHSC362924□4R7D | 4700            | 7.9              | 20/25  | 60            | 5                    | 280                       |
| AAHSC362924□5R2D | 5200            | 7.9              | 15/25  | 50            | 6                    | 250                       |
| AAHSC362924□5R6D | 5600            | 7.9              | 15/25  | 50            | 6                    | 250                       |
| AAHSC362924□6R8D | 6800            | 7.9              | 15/7.9 | 40            | 9                    | 230                       |
| AAHSC362924□7R5D | 7500            | 7.9              | 20/7.9 | 50            | 9.5                  | 170                       |
| AAHSC362924□8R2D | 8200            | 7.9              | 20/7.9 | 50            | 9.5                  | 170                       |
| AAHSC362924□8R6D | 8600            | 7.9              | 15/7.9 | 40            | 9                    | 200                       |
| AAHSC362924□100D | 10000           | 7.9              | 15/7.9 | 30            | 10                   | 150                       |