



## 2.0 GHz to 18.0 GHz

| Model No.      | Frequency 1 GHz | Frequency 2 GHz | Gain dB (Min/Typ)  | Flatness dB (Max/Typ) | Noise dB (Max/Typ) | P-1dB dBm (Min/Typ) | IP3 dBm (Typ) | VSWR Input (Max/Typ) | VSWR Output (Max/Typ) | +12/+15 VDC Current (mA) Nom/Max | Size      |
|----------------|-----------------|-----------------|--------------------|-----------------------|--------------------|---------------------|---------------|----------------------|-----------------------|----------------------------------|-----------|
| CA218-P0718    | 2.0             | 18.0            | 7/11               | ±1.5/±1.0             | 7.0/5.0            | 18/20               | 25            | 2.0:1/1.5:1          | 2.0:1/1.5:1           | 180                              | M1        |
| CA218-123205   | 2.0             | 18.0            | 12/18              | ±2.0/±1.5             | 3.2/2.6            | 5/10                | 15            | 2.2:1/1.5:1          | 2.2:1/1.5:1           | 90                               | K2        |
| CA218-204010-B | 2.0             | 18.0            | 20/25              | ±1.0/±0.75            | 4.0/3.5            | 10/12               | 20            | 2.0:1/1.5:1          | 2.0:1/1.5:1           | 100                              | K2-NR     |
| CA218-206010-B | 2.0             | 18.0            | 20/25              | ±1.0/±0.75            | 6.0/4.0            | 10/12               | 20            | 2.0:1/1.5:1          | 2.0:1/1.5:1           | 100                              | K2-NR     |
| CA218-2001     | 2.0             | 18.0            | 18                 | ±2.5                  | 5.0                | 10                  | 20            | 2.0:1/1.5:1          | 2.0:1/1.5:1           | 140                              | K2        |
| CA218-2002     | 2.0             | 18.0            | 18                 | ±2.5                  | 5.0                | 13                  | 23            | 2.0:1/1.5:1          | 2.0:1/1.5:1           | 150                              | K2        |
| CA218-2003     | 2.0             | 18.0            | 17                 | ±2.5                  | 5.0                | 15                  | 25            | 2.0:1/1.5:1          | 2.0:1/1.5:1           | 160                              | K2        |
| CA218-2004     | 2.0             | 18.0            | 16                 | ±2.5                  | 5.0                | 17                  | 27            | 2.0:1/1.5:1          | 2.0:1/1.5:1           | 250                              | K2        |
| CA218-2119-1   | 2.0             | 18.0            | <sup>1</sup> 18/22 | ±1.5                  | 5.6/5.0            | 19                  | 27            | 2.0:1/1.5:1          | 2.0:1/1.5:1           | 300                              | B4        |
| CA218-176020-1 | 2.0             | 18.0            | <sup>1</sup> 17/23 | ±1.0/±0.75            | 6.0/4.5            | 20/22               | 30            | 2.4:1/1.7:1          | 2.4:1/1.7:1           | 300                              | K2        |
| CA218-2005     | 2.0             | 18.0            | 14                 | ±2.5                  | 6.0                | 20                  | 30            | 2.0:1/1.5:1          | 2.0:1/1.5:1           | 450                              | K2        |
| CA218-2006     | 2.0             | 18.0            | 14                 | ±2.5                  | 6.0                | 22                  | 32            | 2.0:1/1.5:1          | 2.0:1/1.5:1           | 350                              | K2        |
| CA218-2007     | 2.0             | 18.0            | 12                 | ±2.5                  | 6.0                | 24                  | 33            | 2.0:1/1.5:1          | 2.0:1/1.5:1           | 400                              | K2        |
| CA218-2008     | 2.0             | 18.0            | <sup>1</sup> 10/18 | ±2.0                  | 7.0                | 24                  | 34            | 2.0:1/1.5:1          | 2.0:1/1.5:1           | 425                              | K2        |
| CA218-2024     | 2.0             | 18.0            | 16/22              | ±2.0/±1.5             | 7.5/6.0            | 24                  | 34            | 2.2:1/1.7:1          | 2.3:1/1.8:1           | 800                              | K3S       |
| CA218-3001     | 2.0             | 18.0            | 26                 | ±2.5                  | 5.0                | 10                  | 20            | 2.0:1/1.5:1          | 2.0:1/1.5:1           | 200                              | K3S       |
| CA218-3002     | 2.0             | 18.0            | 26                 | ±2.5                  | 5.0                | 13                  | 23            | 2.0:1/1.5:1          | 2.0:1/1.5:1           | 210                              | K3S       |
| CA218-3003     | 2.0             | 18.0            | 25                 | ±2.5                  | 5.0                | 15                  | 25            | 2.0:1/1.5:1          | 2.0:1/1.5:1           | 220                              | K3S       |
| CA218-3004     | 2.0             | 18.0            | 24                 | ±2.5                  | 5.0                | 17                  | 27            | 2.0:1/1.5:1          | 2.0:1/1.5:1           | 260                              | K3S       |
| CA218-3005     | 2.0             | 18.0            | 22                 | ±2.5                  | 5.0                | 20                  | 30            | 2.0:1/1.5:1          | 2.0:1/1.5:1           | 345                              | K3S       |
| CA218-3006     | 2.0             | 18.0            | 22                 | ±2.5                  | 6.0                | 22                  | 32            | 2.0:1/1.5:1          | 2.0:1/1.5:1           | 425                              | K3S       |
| CA218-3007     | 2.0             | 18.0            | 20                 | ±2.5                  | 6.0                | 24                  | 34            | 2.0:1/1.5:1          | 2.0:1/1.5:1           | 475                              | K3S       |
| CA218-3007-1   | 2.0             | 18.0            | <sup>1</sup> 20/26 | ±2.5/±2.0             | 6.0/4.0            | 24/27               | 34            | 2.0:1/1.5:1          | 2.0:1/1.5:1           | 460/500                          | K3S       |
| CA218-3024     | 2.0             | 18.0            | 20/26              | ±2.0/±1.5             | 6.0/4.0            | 24/27               | 34            | 2.0:1/1.5:1          | 2.0:1/1.5:1           | 700                              | K3S       |
| CA218-3108     | 2.0             | 18.0            | 20/26              | ±2.0/±1.5             | 5.0/4.0            | 25/27               | 35            | 2.0:1/1.5:1          | 2.0:1/1.5:1           | 715                              | K3S-NR    |
| CA218-3108HS   | 2.0             | 18.0            | 20/26              | ±2.0/±1.5             | 5.0/4.0            | 25/27               | 35            | 2.0:1/1.5:1          | 2.0:1/1.5:1           | 715                              | K3S-NR-HS |
| CA218-3016     | 2.0             | 18.0            | 26                 | ±2.5                  | 4.5                | 10                  | 20            | 2.0:1/1.5:1          | 2.0:1/1.5:1           | 260                              | K3S       |
| CA218-3017     | 2.0             | 18.0            | 26                 | ±2.5                  | 3.8                | 10                  | 20            | 2.0:1/1.5:1          | 2.0:1/1.5:1           | 270                              | K3S       |

Note 1: Min /Max

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## 2.0 GHz to 18.0 GHz

| Model No.    | Frequency 1 GHz | Frequency 2 GHz | Gain dB (Min/Typ)  | Flatness dB (Max/Typ) | Noise dB (Max/Typ) | P-1dB dBm (Min/Typ) | IP3 dBm (Typ) | VSWR Input (Max/Typ) | VSWR Output (Max/Typ) | +12/+15 VDC Current (mA) Nom/Max | Size   |
|--------------|-----------------|-----------------|--------------------|-----------------------|--------------------|---------------------|---------------|----------------------|-----------------------|----------------------------------|--------|
| CA218-4001   | 2.0             | 18.0            | 34                 | ±2.5                  | 5.0                | 10                  | 20            | 2.0:1/1.5:1          | 2.0:1/1.5:1           | 260                              | K4     |
| CA218-4002   | 2.0             | 18.0            | 34                 | ±2.5                  | 6.0                | 13                  | 23            | 2.0:1/1.5:1          | 2.0:1/1.5:1           | 270                              | K4     |
| CA218-4003   | 2.0             | 18.0            | 30                 | ±2.5                  | 6.0                | 15                  | 25            | 2.0:1/1.5:1          | 2.0:1/1.5:1           | 280                              | K4     |
| CA218-4004   | 2.0             | 18.0            | 28                 | ±2.5                  | 6.0                | 17                  | 27            | 2.0:1/1.5:1          | 2.0:1/1.5:1           | 320                              | K4     |
| CA218-4005   | 2.0             | 18.0            | 30                 | ±2.5                  | 6.0                | 20                  | 30            | 2.0:1/1.5:1          | 2.0:1/1.5:1           | 550                              | K3S    |
| CA218-4005HS | 2.0             | 18.0            | 30/33              | ±2.5                  | 6.0/3.5            | 20/24               | 30            | 2.0:1/1.5:1          | 2.0:1/1.5:1           | 550                              | K3S-HS |
| CA218-4110   | 2.0             | 18.0            | 30/35              | ±2.5/±1.5             | 5.0/3.5            | 20/22               | 30            | 2.0:1/1.5:1          | 2.0:1/1.5:1           | 350                              | K4     |
| CA218-4110T  | 2.0             | 18.0            | 30/35              | ±2.5/±1.5             | 5.0/3.5            | 20/22               | 30            | 2.0:1/1.5:1          | 2.0:1/1.5:1           | 385/450                          | K4-T   |
| CA218-4105   | 2.0             | 18.0            | 34/37              | ±2.5/±1.5             | 4.0/3.6            | 20/22               | 30            | 2.0:1/1.5:1          | 2.0:1/1.5:1           | 450                              | K4     |
| CA218-4006   | 2.0             | 18.0            | 30                 | ±2.5                  | 6.0                | 22                  | 32            | 2.0:1/1.5:1          | 2.0:1/1.5:1           | 550                              | K4     |
| CA218-4007   | 2.0             | 18.0            | 28                 | ±2.5                  | 6.0                | 24                  | 34            | 2.0:1/1.5:1          | 2.0:1/1.5:1           | 700                              | K4     |
| CA218-4116   | 2.0             | 18.0            | 30/35              | ±2.5/±1.5             | 3.5/2.8            | 10/14               | 20            | 2.0:1/1.5:1          | 2.0:1/1.5:1           | 200                              | K3S    |
| CA218-4116T  | 2.0             | 18.0            | 30/35              | ±2.5/±1.5             | 3.5/2.8            | 10/14               | 20            | 2.0:1/1.5:1          | 2.0:1/1.5:1           | 200                              | K3S-T  |
| CA218-4020   | 2.0             | 18.0            | 30/35              | ±2.0/±1.5             | 3.0/2.6            | 10/14               | 20            | 2.2:1/1.5:1          | 2.2:1/1.5:1           | 230                              | K4     |
| CA218-4005-1 | 2.0             | 18.0            | <sup>1</sup> 28/33 | ±2.0                  | 4.0                | 20                  | 30            | 2.0:1/1.5:1          | 2.0:1/1.5:1           | 500                              | K4     |
| CA218-4006-1 | 2.0             | 18.0            | <sup>1</sup> 28/33 | ±2.0                  | 4.0                | 22                  | 32            | 2.0:1/1.5:1          | 2.0:1/1.5:1           | 550                              | K4     |
| CA218-4007-1 | 2.0             | 18.0            | <sup>1</sup> 28/33 | ±2.0                  | 4.0                | 24                  | 34            | 2.0:1/1.5:1          | 2.0:1/1.5:1           | 700                              | K4     |
| CA218-4016   | 2.0             | 18.0            | 34                 | ±2.5                  | 4.5                | 10                  | 20            | 2.0:1/1.5:1          | 2.0:1/1.5:1           | 260                              | K4     |
| CA218-4017   | 2.0             | 18.0            | 34                 | ±2.5                  | 3.8                | 10                  | 20            | 2.0:1/1.5:1          | 2.0:1/1.5:1           | 260                              | K4     |

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## 2.0 GHz to 18.0 GHz

| Model No.    | Frequency 1 GHz | Frequency 2 GHz | Gain dB (Min/Typ) | Flatness dB (Max/Typ) | Noise dB (Max/Typ) | P-1dB dBm (Min/Typ) | IP3 dBm (Typ) | VSWR Input (Max/Typ) | VSWR Output (Max/Typ) | +12/+15 VDC Current (mA) Nom/Max | Size          |
|--------------|-----------------|-----------------|-------------------|-----------------------|--------------------|---------------------|---------------|----------------------|-----------------------|----------------------------------|---------------|
| CA218-2027   | 2.0             | 18.0            | 15/18             | ±2.0/±1.5             | 7.5/6.0            | 27/29               | 37            | 2.0:1/1.7:1          | 2.3:1/1.8:1           | 785                              | K3S-NR        |
| CA218-3027   | 2.0             | 18.0            | 37/40             | ±2.0/±1.5             | 6.0/4.0            | 27/29               | 37            | 2.0:1/1.7:1          | 2.3:1/1.8:1           | 865                              | K4-NR         |
| CA218-4027   | 2.0             | 18.0            | 31/33             | ±2.0/±1.5             | 6.0/3.5            | 27/29               | 37            | 2.0:1/1.7:1          | 2.3:1/1.8:1           | 905                              | K4            |
| CA218-5027   | 2.0             | 18.0            | 37/40             | ±2.0/±1.5             | 6.0/3.5            | 27/29               | 37            | 2.0:1/1.7:1          | 2.3:1/1.8:1           | 950                              | K6            |
| CA218-6027   | 2.0             | 18.0            | 42/45             | ±2.0/±1.5             | 6.0/3.5            | 27/29               | 37            | 2.0:1/1.7:1          | 2.3:1/1.8:1           | 985                              | K6            |
| CA218-2028   | 2.0             | 18.0            | 16/19             | ±2.0/±1.5             | 7.5/6.0            | 28/30               | 38            | 2.0:1/1.7:1          | 2.3:1/1.8:1           | 800                              | K3S-NR        |
| CA218-3110   | 2.0             | 18.0            | 20/24             | ±2.0/±1.5             | 6.5/4.5            | 28/30               | 38            | 2.0:1/1.5:1          | 2.0:1/1.5:1           | 760                              | K3S-NR        |
| CA218-3110HS | 2.0             | 18.0            | 20/24             | ±2.0/±1.5             | 6.5/4.5            | 28/30               | 38            | 2.0:1/1.5:1          | 2.0:1/1.5:1           | 760                              | K3S-NR-<br>HS |
| CA218-3028   | 2.0             | 18.0            | 25/27             | ±2.0/±1.5             | 6.0/4.0            | 28/30               | 38            | 2.0:1/1.7:1          | 2.3:1/1.8:1           | 785                              | K3S-NR        |
| CA218-4028   | 2.0             | 18.0            | 32/34             | ±2.0/±1.5             | 6.0/3.5            | 28/30               | 38            | 2.0:1/1.7:1          | 2.3:1/1.8:1           | 830                              | K4            |
| CA218-5028   | 2.0             | 18.0            | 38/41             | ±2.0/±1.5             | 6.0/3.5            | 28/30               | 38            | 2.0:1/1.7:1          | 2.3:1/1.8:1           | 970                              | K6            |
| CA218-6028   | 2.0             | 18.0            | 43/46             | ±2.0/±1.5             | 6.0/3.5            | 28/30               | 38            | 2.0:1/1.7:1          | 2.3:1/1.8:1           | 1020                             | K6            |
| CA218-2029   | 2.0             | 18.0            | 17/20             | ±2.0/±1.5             | 7.5/6.0            | 30/32               | 40            | 2.0:1/1.7:1          | 2.3:1/1.8:1           | 820                              | K3S-NR        |
| CA218-3029   | 2.0             | 18.0            | 25/28             | ±2.0/±1.5             | 6.0/4.0            | 30/32               | 40            | 2.0:1/1.7:1          | 2.3:1/1.8:1           | 900                              | K4            |
| CA218-4029   | 2.0             | 18.0            | 33/36             | ±2.0/±1.5             | 6.0/3.5            | 30/32               | 40            | 2.0:1/1.7:1          | 2.3:1/1.8:1           | 950                              | K4            |
| CA218-5029   | 2.0             | 18.0            | 40/43             | ±2.0/±1.5             | 6.0/3.5            | 30/32               | 40            | 2.0:1/1.7:1          | 2.3:1/1.8:1           | 1000                             | K6            |
| CA218-6029   | 2.0             | 18.0            | 45/47             | ±2.0/±1.5             | 6.0/3.5            | 30/32               | 40            | 2.0:1/1.7:1          | 2.3:1/1.8:1           | 1050                             | K6            |
| CA218-7030   | 2.0             | 18.0            | 50/55             | ±2.5/±2.0             | 6.0/5.0            | 30/31               | 38            | 2.0:1/1.7:1          | 2.4:1/1.8:1           | 1500                             | DUAL<br>K3S   |

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