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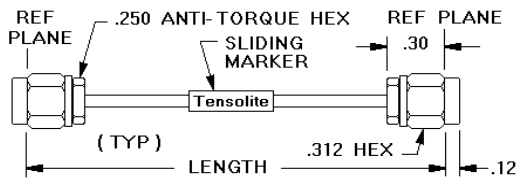
## Company Address

Arrow Electronics, Inc  
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Centennial, CO 80112

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| ELECTRICAL SPECIFICATIONS                                   |                   |      |      |      |           |
|-------------------------------------------------------------|-------------------|------|------|------|-----------|
| IMPEDANCE, NOMINAL:                                         | 50 OHMS           |      |      |      |           |
| CAPACITANCE NOMINAL:                                        | 28.7 pF/FOOT      |      |      |      |           |
| VELOCITY OF PROPAGATION, NOMINAL:                           | 70.7 %            |      |      |      |           |
| RELATIVE SHIELDING:                                         | -100 dB MIN.      |      |      |      |           |
| INSULATION RESISTANCE:                                      | 1000 MEGOHMS MIN. |      |      |      |           |
| DIELECTRIC WITHSTANDING VOLTAGE:                            | 1000 VRMS MIN.    |      |      |      |           |
| ELECTRICAL DELAY NOMINAL:                                   | 1.44 ns/FOOT      |      |      |      |           |
| ELECTRICAL DELAY NOMINAL:                                   | 120 ps/INCH       |      |      |      |           |
| MAX. PULSE RF POWER:                                        | 1250 WATTS        |      |      |      |           |
| (INTO A 50 OHM SYSTEM, WITH DUTY CYCLE LESS THAN CW RATING) |                   |      |      |      |           |
| F (IN GHz) ----->                                           | 1                 | 2    | 4    | 6    | 12 18     |
| MAX. CW WATTS -->                                           | 200               | 136  | 91   | 71   | 46 36     |
| PHASE STABILITY DEG                                         | 0.2               | 0.3  | 0.7  | 1    | 2 3       |
| LOSS STABILITY dB                                           | 0.01              | 0.01 | 0.01 | 0.02 | 0.03 0.05 |
| CABLE FORMED 90 DEGREES ON A .40 INCH RADIUS                |                   |      |      |      |           |

| MECHANICAL SPECIFICATIONS: |                      |
|----------------------------|----------------------|
| CABLE MAX. DIAMETER:       | 0.141 INCHES         |
| MIN. BEND RADIUS:          | 0.19 INCHES          |
| PREFERRED BEND RADIUS:     | 0.50 INCHES          |
| CONNECTOR RETENTION:       | 50 POUNDS MIN.       |
| TEMPERATURE RANGE:         | -50 / +105 DEGREES C |
| MATING TORQUE:             | 7-10 INCH POUNDS     |
| CONNECTOR INTERFACE:       | MIL-STD-348          |



| MATERIALS AND FINISHES |                                       |                         |
|------------------------|---------------------------------------|-------------------------|
| DESCRIPTION            | MATERIAL                              | FINISH OR COLOR         |
| CABLE JACKET:          | HIGH STRENGTH WIRE BRAID              | TIN FILLED              |
| MARKER:                | MIL-I-23053/5                         | GRAY                    |
| RHMS MARKER:           | MIL-I-23053/5                         | GREEN                   |
| SMA BODY:              | ASTM-A-582, 303 STAINLESS STEEL       | MIL-G-45204 GOLD PLATED |
| SMA NUT:               | ASTM-A-582, 303 STAINLESS STEEL       | QQ-P-35 PASSIVATED      |
| SMA GASKET:            | ZZ-R-765, SILICON RUBBER              | NONE                    |
| SOLVENTS:              | NO OZONE DEPLETING MATERIALS ARE USED |                         |

| ITEM INFORMATION |   | MECHANICAL CHARACTERISTICS |      |                  |  | S11 AND S22 CHARACTERISTICS          |        |        |        |         |          |      |         |        |        | S12 AND S21 CHARACTERISTICS                    |         |          |  |  |  |  |  |      |  | NOM DELAY<br>nS | LENGTH<br>CM |
|------------------|---|----------------------------|------|------------------|--|--------------------------------------|--------|--------|--------|---------|----------|------|---------|--------|--------|------------------------------------------------|---------|----------|--|--|--|--|--|------|--|-----------------|--------------|
| PART NUMBER      |   | LENGTH<br>INCHES           | +    | WEIGHT<br>OUNCES |  | MAXIMUM VSWR 1 AT FREQUENCY (IN GHz) |        |        |        |         |          |      |         |        |        | MAXIMUM INSERTION LOSS IN dB AT FREQ. (IN GHz) |         |          |  |  |  |  |  |      |  |                 |              |
|                  |   |                            |      |                  |  | UP TO 1                              | 1 TO 2 | 2 TO 4 | 4 TO 6 | 6 TO 12 | 12 TO 18 |      | UP TO 1 | 1 TO 2 | 2 TO 4 | 4 TO 6                                         | 6 TO 12 | 12 TO 18 |  |  |  |  |  |      |  |                 |              |
| 1-3636-601-5202  | D | 2.00                       | 0.05 | 0.2              |  | 1.06                                 | 1.10   | 1.14   | 1.17   | 1.20    | 1.30     | 0.08 | 0.10    | 0.15   | 0.17   | 0.25                                           | 0.33    | 0.24     |  |  |  |  |  | 5.08 |  |                 |              |
| 1-3636-601-5203  | D | 3.00                       | 0.05 | 0.3              |  | 1.06                                 | 1.10   | 1.14   | 1.17   | 1.20    | 1.30     | 0.09 | 0.12    | 0.17   | 0.20   | 0.29                                           | 0.39    | 0.36     |  |  |  |  |  | 7.62 |  |                 |              |
| 1-3636-601-5204  | D | 4.00                       | 0.05 | 0.3              |  | 1.06                                 | 1.10   | 1.14   | 1.17   | 1.20    | 1.30     | 0.10 | 0.14    | 0.20   | 0.23   | 0.34                                           | 0.45    | 0.48     |  |  |  |  |  | 10.2 |  |                 |              |
| 1-3636-601-5205  | D | 5.00                       | 0.10 | 0.3              |  | 1.06                                 | 1.10   | 1.14   | 1.17   | 1.20    | 1.30     | 0.11 | 0.15    | 0.22   | 0.27   | 0.39                                           | 0.51    | 0.60     |  |  |  |  |  | 12.7 |  |                 |              |
| 1-3636-601-5206  | D | 6.00                       | 0.10 | 0.4              |  | 1.06                                 | 1.10   | 1.14   | 1.17   | 1.20    | 1.30     | 0.13 | 0.17    | 0.24   | 0.30   | 0.43                                           | 0.57    | 0.72     |  |  |  |  |  | 15.2 |  |                 |              |
| 1-3636-601-5207  |   | 7.00                       | 0.10 | 0.4              |  | 1.06                                 | 1.10   | 1.14   | 1.17   | 1.20    | 1.30     | 0.14 | 0.18    | 0.27   | 0.33   | 0.48                                           | 0.63    | 0.84     |  |  |  |  |  | 17.8 |  |                 |              |
| 1-3636-601-5208  | D | 8.00                       | 0.10 | 0.4              |  | 1.06                                 | 1.10   | 1.14   | 1.17   | 1.20    | 1.30     | 0.15 | 0.20    | 0.29   | 0.36   | 0.53                                           | 0.69    | 0.96     |  |  |  |  |  | 20.3 |  |                 |              |
| 1-3636-601-5209  |   | 9.00                       | 0.10 | 0.5              |  | 1.06                                 | 1.10   | 1.14   | 1.17   | 1.20    | 1.30     | 0.16 | 0.22    | 0.31   | 0.39   | 0.57                                           | 0.75    | 1.08     |  |  |  |  |  | 22.9 |  |                 |              |
| 1-3636-601-5210  |   | 10.00                      | 0.10 | 0.5              |  | 1.06                                 | 1.10   | 1.14   | 1.17   | 1.20    | 1.30     | 0.17 | 0.23    | 0.34   | 0.42   | 0.62                                           | 0.82    | 1.20     |  |  |  |  |  | 25.4 |  |                 |              |
| 1-3636-601-5211  |   | 11.00                      | 0.15 | 0.5              |  | 1.06                                 | 1.10   | 1.14   | 1.17   | 1.20    | 1.30     | 0.18 | 0.25    | 0.36   | 0.45   | 0.67                                           | 0.88    | 1.32     |  |  |  |  |  | 27.9 |  |                 |              |
| 1-3636-601-5212  | D | 12.00                      | 0.15 | 0.6              |  | 1.06                                 | 1.10   | 1.14   | 1.17   | 1.20    | 1.30     | 0.19 | 0.26    | 0.39   | 0.48   | 0.71                                           | 0.94    | 1.44     |  |  |  |  |  | 30.5 |  |                 |              |
| 1-3636-601-5213  |   | 13.00                      | 0.15 | 0.6              |  | 1.06                                 | 1.10   | 1.14   | 1.17   | 1.20    | 1.30     | 0.20 | 0.28    | 0.41   | 0.51   | 0.76                                           | 1.00    | 1.56     |  |  |  |  |  | 33.0 |  |                 |              |
| 1-3636-601-5214  |   | 14.00                      | 0.15 | 0.6              |  | 1.06                                 | 1.10   | 1.14   | 1.17   | 1.20    | 1.30     | 0.21 | 0.30    | 0.43   | 0.54   | 0.81                                           | 1.06    | 1.68     |  |  |  |  |  | 35.6 |  |                 |              |
| 1-3636-601-5215  |   | 15.00                      | 0.15 | 0.7              |  | 1.06                                 | 1.10   | 1.14   | 1.17   | 1.20    | 1.30     | 0.22 | 0.31    | 0.46   | 0.57   | 0.86                                           | 1.12    | 1.80     |  |  |  |  |  | 38.1 |  |                 |              |
| 1-3636-601-5216  |   | 16.00                      | 0.15 | 0.7              |  | 1.06                                 | 1.10   | 1.14   | 1.17   | 1.20    | 1.30     | 0.23 | 0.33    | 0.48   | 0.60   | 0.90                                           | 1.18    | 1.92     |  |  |  |  |  | 40.6 |  |                 |              |
| 1-3636-601-5217  |   | 17.00                      | 0.15 | 0.7              |  | 1.06                                 | 1.10   | 1.14   | 1.17   | 1.20    | 1.30     | 0.24 | 0.34    | 0.51   | 0.63   | 0.95                                           | 1.24    | 2.04     |  |  |  |  |  | 43.2 |  |                 |              |
| 1-3636-601-5218  | D | 18.00                      | 0.15 | 0.8              |  | 1.06                                 | 1.10   | 1.14   | 1.17   | 1.20    | 1.30     | 0.26 | 0.36    | 0.53   | 0.66   | 1.00                                           | 1.30    | 2.16     |  |  |  |  |  | 45.7 |  |                 |              |
| 1-3636-601-5219  |   | 19.00                      | 0.15 | 0.8              |  | 1.06                                 | 1.10   | 1.14   | 1.17   | 1.20    | 1.30     | 0.27 | 0.38    | 0.55   | 0.69   | 1.04                                           | 1.36    | 2.28     |  |  |  |  |  | 48.3 |  |                 |              |
| 1-3636-601-5220  |   | 20.00                      | 0.20 | 0.8              |  | 1.06                                 | 1.10   | 1.14   | 1.17   | 1.20    | 1.30     | 0.28 | 0.39    | 0.58   | 0.72   | 1.09                                           | 1.42    | 2.40     |  |  |  |  |  | 51   |  |                 |              |
| 1-3636-601-5221  |   | 21.00                      | 0.21 | 0.9              |  | 1.06                                 | 1.10   | 1.14   | 1.17   | 1.20    | 1.30     | 0.29 | 0.41    | 0.60   | 0.75   | 1.14                                           | 1.48    | 2.52     |  |  |  |  |  | 53   |  |                 |              |
| 1-3636-601-5222  |   | 22.00                      | 0.22 | 0.9              |  | 1.06                                 | 1.10   | 1.14   | 1.17   | 1.20    | 1.30     | 0.30 | 0.42    | 0.62   | 0.78   | 1.18                                           | 1.54    | 2.64     |  |  |  |  |  | 56   |  |                 |              |
| 1-3636-601-5223  |   | 23.00                      | 0.23 | 0.9              |  | 1.06                                 | 1.10   | 1.14   | 1.17   | 1.20    | 1.30     | 0.31 | 0.44    | 0.65   | 0.81   | 1.23                                           | 1.61    | 2.76     |  |  |  |  |  | 58   |  |                 |              |
| 1-3636-601-5224  | D | 24.00                      | 0.24 | 0.9              |  | 1.06                                 | 1.10   | 1.14   | 1.17   | 1.20    | 1.30     | 0.32 | 0.46    | 0.67   | 0.84   | 1.28                                           | 1.67    | 2.88     |  |  |  |  |  | 61   |  |                 |              |
| 1-3636-601-5225  |   | 25.00                      | 0.25 | 1.0              |  | 1.06                                 | 1.10   | 1.14   | 1.17   | 1.20    | 1.30     | 0.33 | 0.47    | 0.70   | 0.87   | 1.32                                           | 1.73    | 3.00     |  |  |  |  |  | 64   |  |                 |              |
| 1-3636-601-5226  |   | 26.00                      | 0.26 | 1.0              |  | 1.06                                 | 1.10   | 1.14   | 1.17   | 1.20    | 1.30     | 0.34 | 0.49    | 0.72   | 0.90   | 1.37                                           | 1.79    | 3.12     |  |  |  |  |  | 66   |  |                 |              |
| 1-3636-601-5227  |   | 27.00                      | 0.27 | 1.0              |  | 1.06                                 | 1.10   | 1.14   | 1.17   | 1.20    | 1.30     | 0.35 | 0.50    | 0.74   | 0.93   | 1.42                                           | 1.85    | 3.24     |  |  |  |  |  | 69   |  |                 |              |
| 1-3636-601-5228  |   | 28.00                      | 0.28 | 1.1              |  | 1.06                                 | 1.10   | 1.14   | 1.17   | 1.20    | 1.30     | 0.36 | 0.52    | 0.77   | 0.96   | 1.46                                           | 1.91    | 3.36     |  |  |  |  |  | 71   |  |                 |              |
| 1-3636-601-5229  |   | 29.00                      | 0.29 | 1.1              |  | 1.06                                 | 1.10   | 1.14   | 1.17   | 1.20    | 1.30     | 0.37 | 0.54    | 0.79   | 0.99   | 1.51                                           | 1.97    | 3.48     |  |  |  |  |  | 74   |  |                 |              |
| 1-3636-601-5230  |   | 30.00                      | 0.30 | 1.1              |  | 1.06                                 | 1.10   | 1.14   | 1.17   | 1.20    | 1.30     | 0.38 | 0.55    | 0.82   | 1.02   | 1.56                                           | 2.03    | 3.60     |  |  |  |  |  | 76   |  |                 |              |
| 1-3636-601-5231  |   | 31.00                      | 0.31 | 1.2              |  | 1.06                                 | 1.10   | 1.14   | 1.17   | 1.20    | 1.30     | 0.40 | 0.57    | 0.84   | 1.06   | 1.60                                           | 2.09    | 3.71     |  |  |  |  |  | 79   |  |                 |              |
| 1-3636-601-5232  |   | 32.00                      | 0.32 | 1.2              |  | 1.06                                 | 1.10   | 1.14   | 1.17   | 1.20    | 1.30     | 0.41 | 0.58    | 0.86   | 1.09   | 1.65                                           | 2.15    | 3.83     |  |  |  |  |  | 81   |  |                 |              |
| 1-3636-601-5233  |   | 33.00                      | 0.33 | 1.2              |  | 1.06                                 | 1.10   | 1.14   | 1.17   | 1.20    | 1.30     | 0.42 | 0.60    | 0.89   | 1.12   | 1.70                                           | 2.21    | 3.95     |  |  |  |  |  | 84   |  |                 |              |
| 1-3636-601-5234  |   | 34.00                      | 0.34 | 1.3              |  | 1.06                                 | 1.10   | 1.14   | 1.17   | 1.20    | 1.30     | 0.43 | 0.62    | 0.91   | 1.15   | 1.74                                           | 2.27    | 4.07     |  |  |  |  |  | 86   |  |                 |              |
| 1-3636-601-5235  |   | 35.00                      | 0.35 | 1.3              |  | 1.06                                 | 1.10   | 1.14   | 1.17   | 1.20    | 1.30     | 0.44 | 0.63    | 0.93   | 1.18   | 1.79                                           | 2.34    | 4.19     |  |  |  |  |  | 89   |  |                 |              |
| 1-3636-601-5236  |   | 36.00                      | 0.36 | 1.3              |  | 1.06                                 | 1.10   | 1.14   | 1.17   | 1.20    | 1.30     | 0.45 | 0.65    | 0.96   | 1.21   | 1.84                                           | 2.40    | 4.31     |  |  |  |  |  | 91   |  |                 |              |
| 1-3636-601-5237  |   | 37.00                      | 0.37 | 1.4              |  | 1.06                                 | 1.10   | 1.14   | 1.17   | 1.20    | 1.30     | 0.46 | 0.66    | 0.98   | 1.24   | 1.88                                           | 2.46    | 4.43     |  |  |  |  |  | 94   |  |                 |              |
| 1-3636-601-5238  |   | 38.00                      | 0.38 | 1.4              |  | 1.06                                 | 1.10   | 1.14   | 1.17   | 1.20    | 1.30     | 0.47 | 0.68    | 1.01   | 1.27   | 1.93                                           | 2.52    | 4.55     |  |  |  |  |  | 97   |  |                 |              |
| 1-3636-601-5239  |   | 39.00                      | 0.39 | 1.4              |  | 1.06                                 | 1.10   | 1.14   | 1.17   | 1.20    | 1.30     | 0.48 | 0.70    | 1.03   | 1.30   | 1.98                                           | 2.58    | 4.67     |  |  |  |  |  | 99   |  |                 |              |
| 1-3636-601-5240  |   | 40.00                      | 0.40 | 1.5              |  | 1.06                                 | 1.10   | 1.14   | 1.17   | 1.20    | 1.30     | 0.49 | 0.71    | 1.05   | 1.33   | 2.02                                           | 2.64    | 4.79     |  |  |  |  |  | 102  |  |                 |              |
| 1-3636-601-5241  |   | 41.00                      | 0.41 | 1.5              |  | 1.06                                 | 1.10   | 1.14   | 1.17   | 1.20    | 1.30     | 0.50 | 0.73    | 1.08   | 1.36   | 2.07                                           | 2.70    | 4.91     |  |  |  |  |  | 104  |  |                 |              |
| 1-3636-601-5242  |   | 42.00                      | 0.42 | 1.5              |  | 1.06                                 | 1.10   | 1.14   | 1.17   | 1.20    | 1.30     | 0.52 | 0.74    | 1.10   | 1.39   | 2.12                                           | 2.76    | 5.03     |  |  |  |  |  | 107  |  |                 |              |
| 1-3636-601-5243  |   | 43.00                      | 0.43 | 1.6              |  | 1.06                                 | 1.10   | 1.14   | 1.17   | 1.20    | 1.30     | 0.53 | 0.76    | 1.12   | 1.42   | 2.16                                           | 2.82    | 5.15     |  |  |  |  |  | 109  |  |                 |              |
| 1-3636-601-5244  |   | 44.00                      | 0.44 | 1.6              |  | 1.06                                 | 1.10   | 1.14   | 1.17   | 1.20    | 1.30     | 0.54 | 0.77    | 1.15   | 1.45   | 2.21                                           | 2.88    | 5.27     |  |  |  |  |  | 112  |  |                 |              |
| 1-3636-601-5245  |   | 45.00                      | 0.45 | 1.6              |  | 1.06                                 | 1.10   | 1.14   | 1.17   | 1.20    | 1.30     | 0.55 | 0.79    | 1.17   | 1.48   | 2.26                                           | 2.94    | 5.39     |  |  |  |  |  | 114  |  |                 |              |
| 1-3636-601-5246  |   | 46.00                      | 0.46 | 1.7              |  | 1.06                                 | 1.10   | 1.14   | 1.17   | 1.20    | 1.30     | 0.56 | 0.82    | 1.20   | 1.50   | 2.31                                           | 2.99    | 5.51     |  |  |  |  |  | 117  |  |                 |              |
| 1-3636-601-5247  |   | 47.00                      | 0.47 | 1.7              |  | 1.06                                 | 1.10   | 1.14   | 1.17   | 1.20    | 1.30     | 0.57 | 0.82    | 1.22   | 1.54   | 2.35                                           | 3.07    | 5.63     |  |  |  |  |  | 119  |  |                 |              |
| 1-3636-601-5248  |   | 48.00                      | 0.48 | 1.7              |  | 1.06                                 | 1.10   | 1.14   | 1.17   | 1.20    | 1.30     | 0.58 | 0.84    | 1.24   | 1.57   | 2.40                                           | 3.13    | 5.75     |  |  |  |  |  | 122  |  |                 |              |
| 1-3636-601-5249  |   | 49.00                      | 0.49 | 1.8              |  | 1.06                                 | 1.10   | 1.14   | 1.17   | 1.20    | 1.30     | 0.59 | 0.85    | 1.27   | 1.60   | 2.44                                           | 3.19    | 5.87     |  |  |  |  |  | 124  |  |                 |              |
| 1-3636-601-5250  |   | 50.00                      | 0.50 | 1.8              |  | 1.06                                 | 1.10   | 1.14   | 1.17   | 1.20    | 1.30     | 0.60 | 0.87    | 1.29   | 1.63   | 2.49                                           | 3.25    | 5.99     |  |  |  |  |  | 127  |  |                 |              |
| 1-3636-601-5252  |   | 52.0                       | 0.52 | 1.8              |  | 1.06                                 | 1.10   | 1.14   | 1.17   | 1.20    | 1.30     | 0.62 | 0.90    | 1.34   | 1.69   | 2.58                                           | 3.37    | 6.23     |  |  |  |  |  | 132  |  |                 |              |
| 1-3636-601-5254  |   | 54.0                       | 0.54 | 1.9              |  | 1.06                                 | 1.10   | 1.14   | 1.17   | 1.20    | 1.30     | 0.65 | 0.93    | 1.39   | 1.75   | 2.68                                           | 3.49    | 6.47     |  |  |  |  |  | 137  |  |                 |              |
| 1-3636-601-5256  |   | 56.0                       | 0.56 | 2.0              |  | 1.06                                 | 1.10   | 1.14   | 1.17   | 1.20    | 1.30     | 0.67 | 0.97    | 1.44   | 1.82   | 2.79                                           | 3.61    | 6.67     |  |  |  |  |  | 142  |  |                 |              |
| 1-3636-601-5258  |   | 58.0                       | 0.58 | 2.0              |  | 1.06                                 | 1.10   | 1.14   | 1.17   | 1.20    | 1.30     | 0.69 | 1.00    | 1.48   | 1.88   | 2.87                                           | 3.73    | 6.95     |  |  |  |  |  | 147  |  |                 |              |
| 1-3636-601-5260  |   | 60.0                       | 0.60 | 2.1              |  | 1.06                                 | 1.10   | 1.14   | 1.17   | 1.20    | 1.30     | 0.71 | 1.03    | 1.53   | 1.94   | 2.96                                           | 3.86    | 7.19     |  |  |  |  |  | 152  |  |                 |              |
| 1-3636-601-5262  |   | 62.0                       | 0.62 | 2.2              |  | 1.06                                 | 1.10   | 1.14   | 1.17   | 1.20    | 1.30     | 0.73 | 1.06    | 1.58   | 2.00   | 3.05                                           | 3.98    | 7.43     |  |  |  |  |  | 157  |  |                 |              |
| 1-3636-601-5264  |   | 64.0                       | 0.64 | 2.2              |  | 1.06                                 | 1.10   | 1.14   | 1.17   | 1.20    | 1.30     | 0.75 | 1.09    | 1.63   | 2.06   | 3.15                                           | 4.10    | 7.67     |  |  |  |  |  | 163  |  |                 |              |
| 1-3636-601-5266  |   | 66.0                       | 0.66 | 2.3              |  | 1.06                                 | 1.10   | 1.14   | 1.17   | 1.20    | 1.30     | 0.78 | 1.13    | 1.67   | 2.12   | 3.24                                           | 4.22    | 7.91     |  |  |  |  |  | 168  |  |                 |              |
| 1-3636-601-5268  |   | 68.0                       | 0.68 | 2.4              |  | 1.06                                 | 1.10   | 1.14   | 1.17   | 1.20    | 1.30     | 0.80 | 1.16    | 1.72   | 2.18   | 3.33                                           | 4.34    | 8.15     |  |  |  |  |  |      |  |                 |              |