

# APC3.5

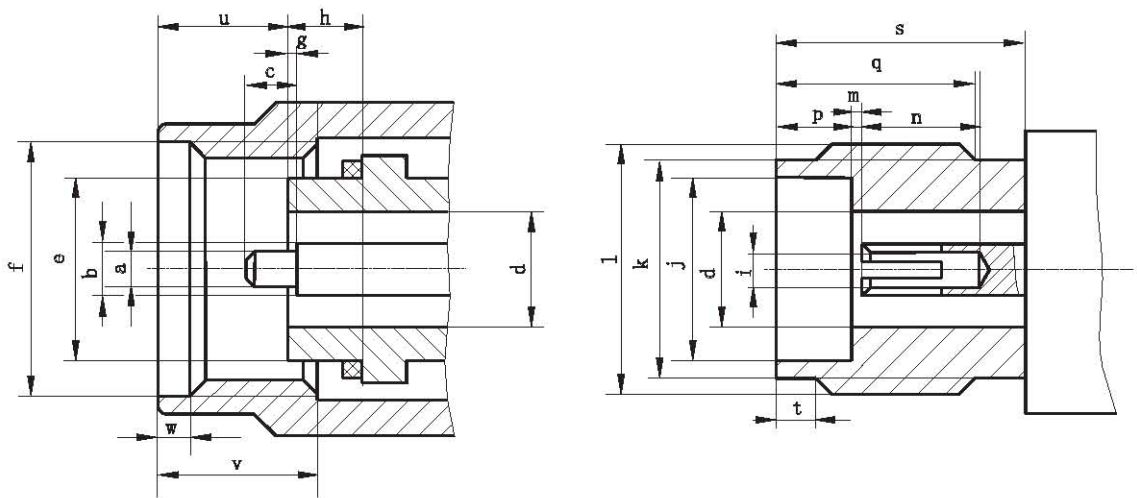
SERIES APC3.5 RF.COAXIAL CONNECTORS



APC 3.5 Series RF coaxial connectors are using air boundary interface. They have the advantages of small size, light weight, high frequency, super mechanical and electrical performances. They are widely used in the field of modern precise measuring and mm-wave communication equipments and are interchangeable with ones of SMA Series connectors.

| KEY PERFORMANCE          |                     |                                 |                                        |
|--------------------------|---------------------|---------------------------------|----------------------------------------|
| Temperature range        | -55 ~ +105℃         | Insulation resistance           | $\geq 5000M\Omega$                     |
| Characteristic Impedance | 50Ω                 | Dielectric Withstanding Voltage | 750V                                   |
| Frequency range          | DC-30GHz            | Contact resistance              | Center conductor<br>$\leq 0.003\Omega$ |
|                          |                     |                                 | Outer conductor<br>$\leq 0.002\Omega$  |
| VSWR                     | $\leq 1.05 + 0.01F$ | Durability                      | 500Cycles                              |

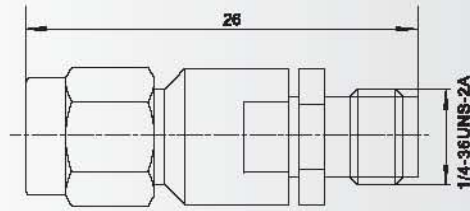
## INTERFACE MATING DIMENSIONS



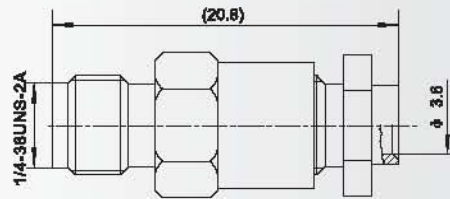
| Symbol | MIN(mm)      | MAX(mm) | Symbol | MIN(mm)      | MAX(mm) | Symbol | MIN(mm) | MAX(mm) |
|--------|--------------|---------|--------|--------------|---------|--------|---------|---------|
| a      | Φ 0.902      | Φ 0.927 | i      |              |         | p      | 1.88    | 1.98    |
| b      | Φ 1.505      | Φ 1.535 |        |              |         | q      | 4.32    | —       |
| c      | 1.80         | 2.50    | J      | Φ 4.60       | Φ 4.65  | s      | 5.54    | —       |
| d      | Φ 3.48       | Φ 3.52  | k      | Φ 5.28       | Φ 5.49  | t      | 0.38    | 1.14    |
| e      | Φ 4.52       | Φ 4.57  | l      | 1/4-36UNS-2A |         | w      | 0.38    | 1.14    |
| f      | 1/4-36UNS-2B |         | m      | 0.000        | 0.052   | v      | 2.59    | —       |
| g      | 0.000        | 0.052   | n      | 2.82         | —       | u      | —       | 3.43    |
| h      | —            |         |        |              |         |        |         |         |



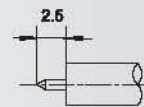
APC3.5-JK



APC3.5-KB3



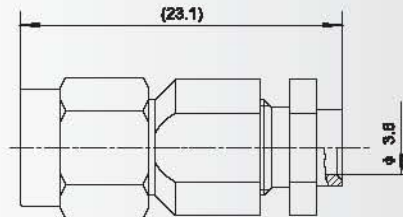
Cable stripping dimensions



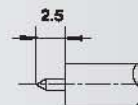
| Type       | Cable type |
|------------|------------|
| APC3.5-KB3 | SFT-50-3-1 |



APC3.5-JB3



Cable stripping dimensions



| Type       | Cable type |
|------------|------------|
| APC3.5-JB3 | SFT-50-3-1 |