

## Tuners and Shorts



## DC-18 GHz

## COAXIAL TUNERS AND SHORTS

- Broadband
- Wide Range of Impedance Matching
- Graduated Micrometer Drive on Tunable Short

## SPECIFICATIONS

## Fixed Shorts

| FREQUENCY RANGE (GHz) | MODEL MALE | FEMALE   | PHASE-SHORT TO DEGREES OPEN | CONNECTOR | WEIGHT (Max) |    |
|-----------------------|------------|----------|-----------------------------|-----------|--------------|----|
|                       |            |          |                             |           | Oz           | Gr |
| DC-18                 |            | 230-412  | —                           | N         | 1.4          | 40 |
|                       |            | 230-416  | —                           | N         | 1.0          | 28 |
|                       |            | 4230-412 | —                           | SMA       | 0.5          | 15 |
|                       |            | 4230-416 | —                           | SMA       | 0.5          | 15 |

## Short/Open

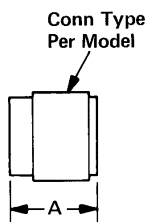
|       |  |          |            |     |     |    |
|-------|--|----------|------------|-----|-----|----|
| DC-18 |  | 231-412  | Phase 180° | N   | 3.0 | 84 |
|       |  | 231-416  | Phase 180° | N   | 2.1 | 60 |
|       |  | 4231-412 | Phase 180° | SMA | .2  | 6  |
|       |  | 4231-416 | Phase 180° | SMA | .3  | 9  |

## Tunable Short

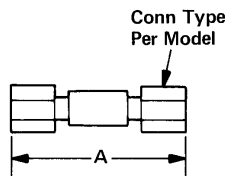
| FREQUENCY RANGE (GHz) | MODEL MALE | FEMALE | TUNING DRIVE     | CONNECTOR | WEIGHT (Max) |     |
|-----------------------|------------|--------|------------------|-----------|--------------|-----|
|                       |            |        |                  |           | Oz           | Gr  |
| 3-10                  | 901NM      |        | Micrometer Drive | Type N    | 16           | 454 |

# Tuners and Shorts

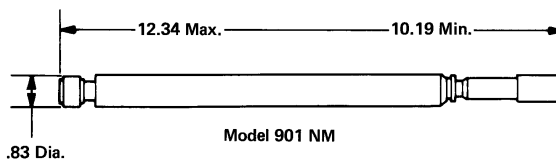
## OUTLINE DRAWINGS



| Model    | A Max |
|----------|-------|
| 230-412  | .83   |
| 230-416  | .71   |
| 4230-412 | .52   |
| 4230-416 | .38   |



| Model    | A Max |
|----------|-------|
| 231-412  | 2.39  |
| 231-416  | 1.61  |
| 4231-412 | 1.17  |
| 4231-416 | 1.00  |



All dimensions are Max. unless otherwise specified.