

Drilling scheme (original size)

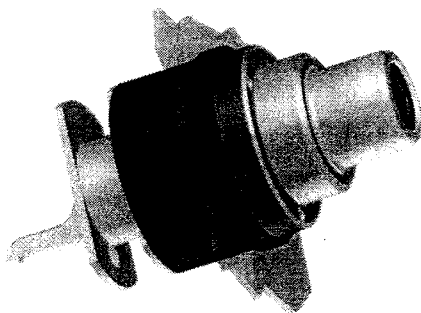
Table of contents		
①	Base element	1
②	Internal socket with WBT-active-spring contact, E-Cu 99.996%	
③	Double-wrap spring lock washer, bronze	1
④	3-hole-counter nut	1
⑤	Internal insulation, red or white PA6	1
⑥	Dielectric, Teflon*	1
⑦	Space washer, PA, 1 mm	1
⑧	Space washer, PA, 2 mm	1
⑨	Step washer, PA, 3,5 mm	1
⑩	Double step washer with flate hole and tappet, PA, 4,6 mm, red, white or yellow	1
Extend of delivery : 1-10, all parts mounted		
Revision date : 20.07.1999		

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 WBT is a reg. trademark of WBT, Germany.  
 \* Teflon is a reg. trademark of Du Pont.

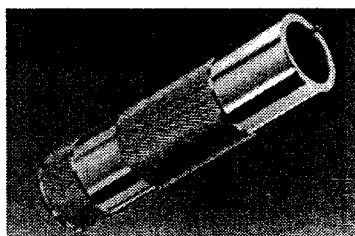
All dimensions in mm, values in brackets: inch

## WBT-0201 Coaxial socket (RCA)

Coaxial socket for cabinet mounting, *soldering version*



- Mechanics**
  - single-segment, low-tolerance contact elements (tol. less than  $\pm 0.02$  mm)
  - external socket with solder lug machined directly from basic element
  - internal socket with double prism contact areas, WBT active spring mechanic with its wrapping bronze spring lock washer; large spring travel for constant contact pressure even if counterpieces are imprecisely worked
- Materials**
  - external socket made of highly ductile "OFC" copper alloy (68%)
  - internal socket made of pure E-Cu (99.996%)
  - internal insulating material: moulded Teflon\* part
  - external insulating material: polyamide 6
- Surfaces**
  - external socket: WBT 24-carat gold-plating bronze  $5 \mu\text{m}$ , Au  $0.3 \mu\text{m}$
  - internal socket: single-layer direct gold-plating with Au  $0.3 \mu\text{m}$
  - both surfaces free from ferromagnetic properties
- Operating characteristics** (reliably observed after more than  $10^3$  connections/disconnections)
  - constant current  $I_b > 40$  A
  - contact resistance  $R_c \leq 0.1$  mohms (loop, measured with WBT-0108)
  - volume resistance  $R_v \leq 0.05$  mohms
  - self-capacitance  $C = 6.3$  pF
  - insulation resistance  $R_{\infty} > 10^{10}$  ohms
  - surge impedance (projective)  $Z = 16$  ohms
- Terminals**
  - soldering version, for cables up to  $1.5$  mm<sup>2</sup>
- Mounting**
  - problem-free by hand using the knurled nut
  - for series processing we recommend the special mandrel tool WBT-0299
  - recommended distance of two socket centers:  $17.78$  mm  $\approx 7/10$  inch (standard)



Special mandrel tool WBT-0299