

## 7.0/3.04 mm and 3.5/1.52 mm

### Description and purpose

These coaxial adapters, operating between 0 and 18 GHz, are designed to connect microwave devices of 7.0/3.04 mm path with devices of 3.5/1.52 mm path. The adapters are designed with male-male, female-female and female-male connectors with inch or metric thread. Adapter bodies and nuts are made of stainless steel. Central conductors are made of tempered beryllium bronze and plated with wear-proof gold. Low dielectric permeability and high strength insulation is applied. Used materials and adapter design provide low loss and reflection, high stability for at least 3000 connect/disconnect cycles at operating temperatures between -60 °C and +85 °C. Minimum screen attenuation is 100 dB. Custom adapters with maximum operating temperature up to +110 °C are available for ordering. The adapters are manufactured in accordance with ZhNKU.468562.002 TU specification.



### Specifications

Model	Connectors	Frequency range, GHz	VSWR, max. (typ.)		Insertion loss, dB, max. (typ.)	Fig.
			0 ... 12 GHz	12 ... 18 GHz		
PK2-18-01R-03R	Type III (female) – type IX, ver. 3 (female)	0 ... 18	1.07 (1.05)	1.1 (1.08)	0.15 (0.1)	1
PK2-18-01R-13R	Type III (female) – 3.5 mm (female)					
PK2-18-11R-03R	Type N (female) – type IX, ver. 3 (female)					
PK2-18-11R-13R	Type N (female) – 3.5 mm (female)					
PK2-18-01-03	Type III (male) – type IX, ver. 3 (male)					2
PK2-18-11-03	Type N (male) – type IX, ver. 3 (male)					
PK2-18-11-13	Type N (male) – 3.5 mm (male)					
PK2-18-01-13	Type III (male) – 3.5 mm (male)					
PK2-18-01R-03	Type III (female) – type IX, ver. 3 (male)					3
PK2-18-01R-13	Type III (female) – 3.5 mm (male)					
PK2-18-11R-03	Type N (female) – type IX, ver. 3 (male)					
PK2-18-11R-13	Type N (female) – 3.5 mm (male)					
PK2-18-01-03R	Type III (male) – type IX, ver. 3 (female)					4
PK2-18-01-13R	Type III (male) – 3.5 mm (female)					
PK2-18-11-03R	Type N (male) – type IX, ver. 3 (female)					
PK2-18-11-13R	Type N (male) – 3.5 mm (female)					

### Dimensions

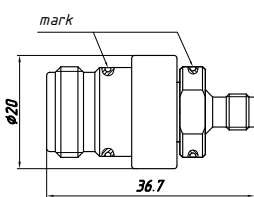


Fig. 1

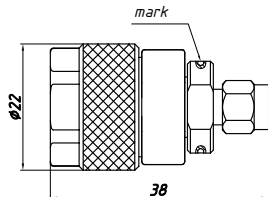


Fig. 2

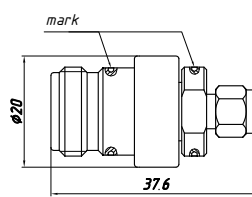


Fig. 3

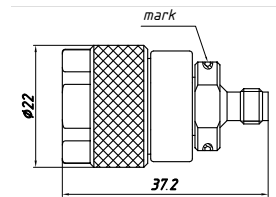


Fig. 4

### Ordering example

- PK2-18-01R-03R coaxial adapter, type III (female) – type IX, ver. 3 (female).