

## 3.5/1.52 mm and 2.4/1.042 mm

### Description and purpose

PK2-26 and PK2-40 coaxial adapters are designed to connect microwave devices of 3.5/1.52 path with devices of 2.4/1.042 mm path. The adapters are designed with male-male, female-female and female-male connectors with inch or metric thread on 3.5/1.52 mm path side. PK2-26 adapters have lowest insertion loss and reflection level within operating range from 0 to 32 GHz, and PK2-40 – from 0 to 38 GHz. 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 2000 connect/disconnect cycles at operating temperatures between -60 °C and +85 °C. For PK2-26, minimum screen attenuation is 90 dB, for PK2-40 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

#### PK2-26 coaxial adapters

Model	Connectors	Frequency range, GHz	VSWR, max. (typ.)		Insertion loss, dB, max. (typ.)		Fig.
			0 ... 20 GHz	20 ... 32 GHz	0 ... 20 GHz	20 ... 32 GHz	
PK2-26-03R-05R	Type IX, ver. 3 (female) – 2.4 mm (female)	0 ... 32	1.1 (1.08)	1.15 (1.1)	0.2 (0.1)	0.3 (0.15)	1
PK2-26-13R-05R	3.5 mm (female) – 2.4 mm (female)						2
PK2-26-03-05	Type IX, ver. 3 (male) – 2.4 mm (male)						3
PK2-26-13-05	3.5 mm (male) – 2.4 mm (male)						4
PK2-26-03R-05	Type IX, ver. 3 (female) – 2.4 mm (male)						
PK2-26-13R-05	3.5 mm (female) – 2.4 mm (male)						
PK2-26-03-05R	Type IX, ver. 3 (male) – 2.4 mm (female)						
PK2-26-13-05R	3.5 mm (male) – 2.4 mm (female)						

#### PK2-40 coaxial adapters

Model	Connectors	Frequency range, GHz	VSWR, max. (typ.)		Insertion loss, dB, max. (typ.)		Fig.
			0 ... 20 GHz	20 ... 38 GHz	0 ... 20 GHz	20 ... 38 GHz	
PK2-40-03R-05R	Type IX, ver. 3 (female) – 2.4 mm (female)	0 ... 38	1.15 (1.08)	1.2 (1.12)	0.2 (0.1)	0.25 (0.15)	5
PK2-40-13R-05R	3.5 mm (female) – 2.4 mm (female)						6
PK2-40-03-05	Type IX, ver. 3 (male) – 2.4 mm (male)						7
PK2-40-13-05	3.5 mm (male) – 2.4 mm (male)						8
PK2-40-03R-05	Type IX, ver. 3 (female) – 2.4 mm (male)						
PK2-40-13R-05	3.5 mm (female) – 2.4 mm (male)						
PK2-40-03-05R	Type IX, ver. 3 (male) – 2.4 mm (female)						
PK2-40-13-05R	3.5 mm (male) – 2.4 mm (female)						

Dimensions

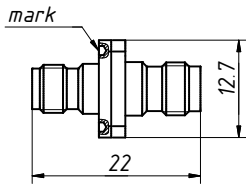


Fig. 1

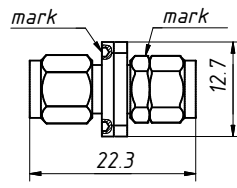


Fig. 2

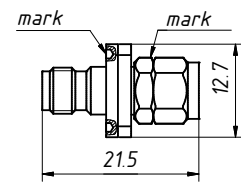


Fig. 3

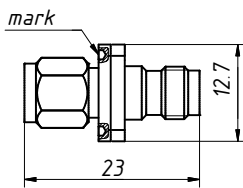


Fig. 4

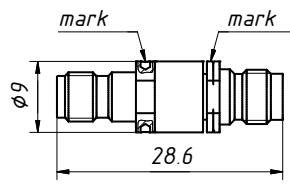


Fig. 5

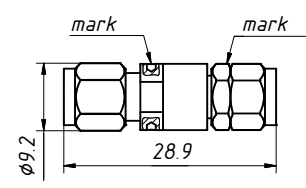


Fig. 6

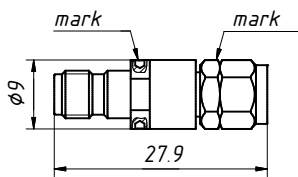


Fig. 7

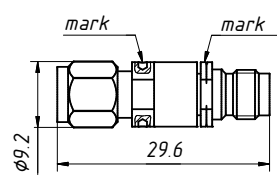


Fig. 8

Ordering example

- PK2-26-03R-05R coaxial adapter, type IX, ver. 3 (female) – 2.4 mm (female).