

PKM2-18 coaxial-to-microstrip adapters

Description and purpose

PKM2-18 hermetic coaxial-to-microstrip adapters are similar with SRG-50-751-FV. These adapters are designed to input/output signals to/from microwave units. All these adapters operate at frequencies between 0 and 18 GHz. The central conductor is plated with wear-proof gold, external conductor is plated with gold or tin-bismuth. Thread on unit side is M6 × 0.75, and thread on external connection side is M6 × 0.75 or 1/4"-36UNS-2A. Used materials and adapter design provide low loss and reflection level, high stability of parameters at operating temperatures between -60 °C and +100 °C.



Specifications

Model	Connector	Coating	Insertion loss for couple, dB, max.	VSWR, max.	Tightness, m ³ ·Pa/sec (cm ³ /sec)	Insulation resistance, MOhm, min.	Max. current, A (max. oper. voltage, V)	Fig.
PKM2-18-02R-0.6/3-1	Type IX, ver. 1 (female)	Tin-Bismuth	1	1.22 (1st grade)	1.3·10 ⁻¹¹ to 1.3·10 ⁻⁹ (10 ⁻¹⁰ to 10 ⁻⁸)	1000	1 (200)	1
PKM2-18-02R-0.6/2.3-1								2
PKM2-18-12R-0.6/3-1	Type SMA (female)							3
PKM2-18-12R-0.6/2.3-1								4
PKM2-18-02R-0.6/3-1-BR	Type IX, ver. 1 (female)	Gold	1	1.4 (2nd grade)	1.3·10 ⁻¹¹ to 1.3·10 ⁻⁹ (10 ⁻¹⁰ to 10 ⁻⁸)	1000	1 (200)	5
PKM2-18-02R-0.6/3-2	Type IX, ver. 1 (female)							1
PKM2-18-02R-0.6/2.3-2								2
PKM2-18-12R-0.6/3-2	Type SMA (female)							3
PKM2-18-12R-0.6/2.3-2								4
PKM2-18-02R-0.6/3-2-BR	Type IX, ver. 1 (female)							5

For detailed information on use of PKM2-18 coaxial-to-microstrip adapters, refer to document General Connectors at www.micran.ru.

Dimensions

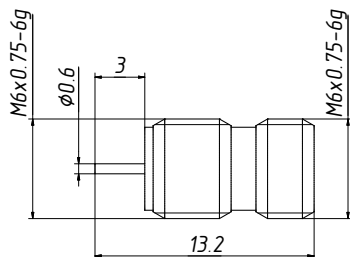


Fig. 1

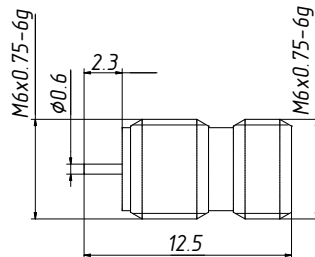


Fig. 2

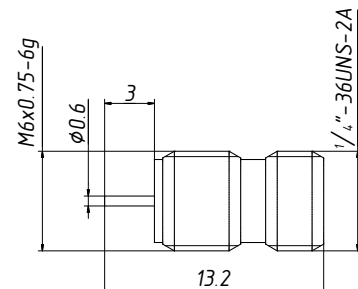


Fig. 3

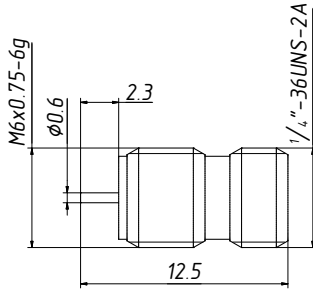


Fig. 4

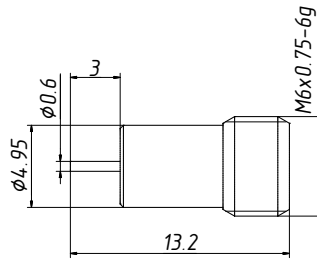


Fig. 5

Ordering example

- PKM2-18-02R-0.6/3-1 Coaxial-to-microstrip adapter, tip-bismuth plated, 3 mm pin length, type IX, ver. 1 (female).
- Please specify required adapter grade in your order. For information on grade selection, refer to document General Connectors at www.micran.ru.