

RF Power Feedthroughs 8kV / 10 kW 1 Conductor

1.4

Description

RF Power feedthroughs can be used for the transmission of radio frequency power into vacuum applications.

Manufacturing the RF feedthroughs non magnetic materials are used to minimize current induction effects.

The copper alloy conductor can be utilized for water cooling.

Features

- 1 conductor out of copper alloy
- Available on CF / KF flanges and weldable
- UHV compatible materials
- Custom configuration available on request
- Construction out of non-magnetic materials

Specification:

Voltage	8 kV
Power	10 kW at 450 kHz

Temperature range

CF mounted FT	-50 to 450 °C
Weldable	-50 to 450 °C
ISO KF mounted FT	-20 to 150 °C

Description			Part Number
DN40CF	1 CONDUCTOR	8 kV, 10 kW @ 450kHz	1-RF-1001
DN40KF	1 CONDUCTOR	8 kV, 10 kW @ 450 kHz	1-RF-1002
WELDABLE	1 CONDUCTOR	8 kV, 10 kW @ 450 kHz	1-RF-1003

1.4 RF power feedthroughs

Description

RF Power feedthroughs can be used for the transmission of radio frequency power into vacuum applications.

Manufacturing the RF feedthroughs non magnetic materials are used to minimize current induction effects.

The copper alloy conductors can be utilized for water cooling.

Features

- 2 conductors out of copper alloy
- Available on CF / KF flanges and weldable
- UHV compatible materials
- Custom configuration available on request
- Construction out of non-magnetic materials

Specification:

Voltage	8 kV
Power	10 kW at 450 kHz

Temperature range

CF mounted FT	-50 to 450 °C
Weldable	-50 to 450 °C
ISO KF mounted FT	-20 to 150 °C

Description			Part Number
DN40CF	2 CONDUCTORS	8 kV, 10 kW @ 450kHz	1-RF-2001
DN40KF	2 CONDUCTORS	8 kV, 10 kW @ 450 kHz	1-RF-2002
WELDABLE	2 CONDUCTORS	8 kV, 10 kW @ 450 kHz	1-RF-2003

Description

RF Power feedthroughs can be used for the transmission of radio frequency power into vacuum applications.

Manufacturing the RF feedthroughs non magnetic materials are used to minimize current induction effects.

The copper alloy conductors can be utilized for water cooling.

Features

- 1 or 2 conductors out of copper alloy
- For high voltage and high power
- UHV compatible materials
- Custom configuration available on request
- Construction out of non-magnetic materials

Specification:

Voltage 10 kV
Power 20 + 35 kW at 13.56 MHz

Temperature range

CF mounted FT -100 to 300 °C
ISO KF mounted FT -20 to 150 °C

Description			Part Number
DN40CF	1 CONDUCTOR	10 kV, 35 kW @ 13.56MHz	1-RF-3001
DN40CF	2 CONDUCTORS	10 kV, 20 kW @ 13.56MHz	1-RF-3002