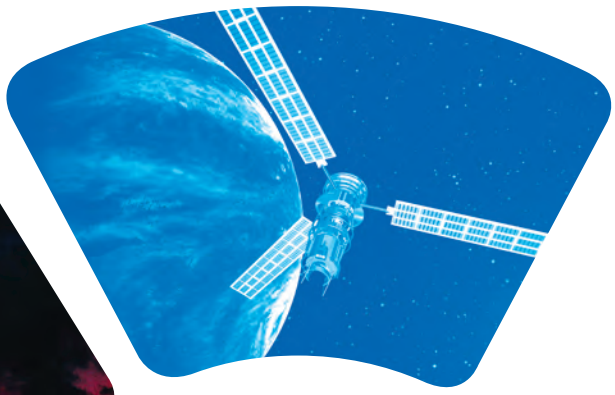
CHINA AEROSPACE ACADEMY OF ELECTRONIC TECHNOLOGY
BEIJING INSTITUTE OF AEROSPACE MICRO-ELECTROMECHANICAL TECHNOLOGY



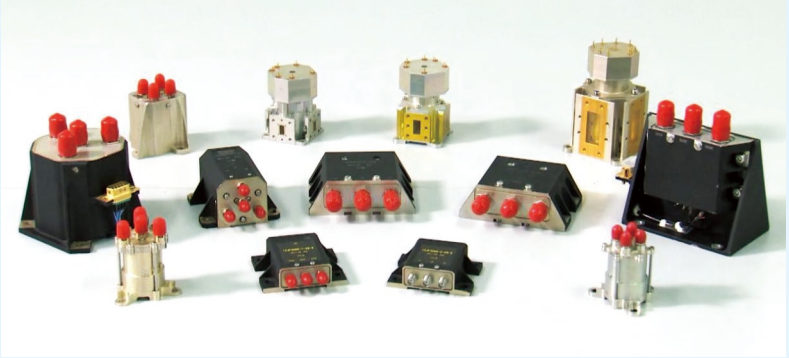
中国航天

BEIJING INSTITUTE OF AEROSPACE MICRO ELECTRO MECHANICAL TECHNOLOGY

Product Manual 2020 Edition

LEADING SUPPILER OF RRODUCTS AND SOLUTIONS IN HIGH RELIABILITY MICROWAVE TRANSMISSION, DATABUS NETWORK, DIGITAL POWER DISTRIBUTION AND SPECIAL ELECTROMECHANICAL TECHNOLOGY.

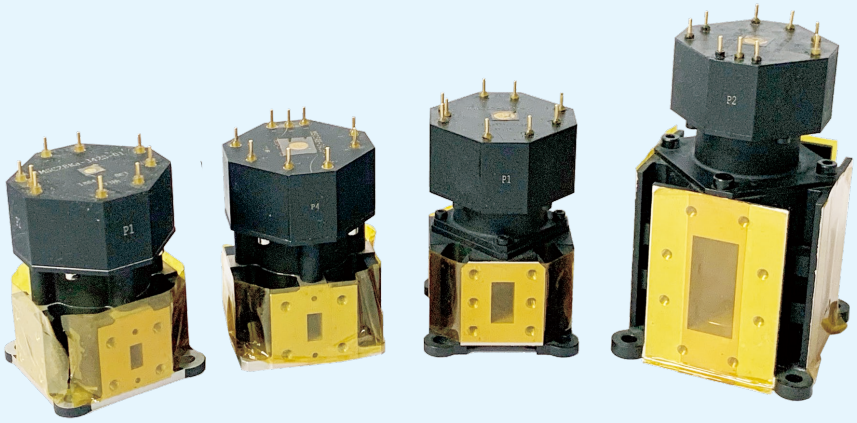
Coaxial switch Коаксиальный переключатель



产品型号	切换方式	射频接口	工作频段	驻波比	插损	隔离度	额定功率
Model. No	Switch Type	Connector Type	Frequency band	VSWR	Insertion Loss	Isolation	RF Power
Модель	Тип переключателя	Тип разъема	Диапазон частот	КСВ	Вносимые потери	Изоляция	Номинальная мощность
WBKG1135-3411-01	T	SMA	DC~0.5 3.7~6.6 7~9 10.5~13 13.5~15 19~21.2	1.12@DC~0.5 GHz 1.19@3.7~6.6 GHz 1.22@7~9 GHz 1.33@10.5~13 GHz 1.35@13.5~15 GHz 1.35@19~21.2 GHz	0.15@ DC～0.5 GHz 0.25@3.7~6.6 GHz 0.30@ 7~9 GHz 0.40@10.5~13 GHz 0.42@13.5~15 GHz 0.50@19~21.2 GHz	70@ DC～0.5 GHz 65@3.7~6.6 GHz 65@7~9 GHz 65@10.5~13 GHz 60@19~21.2 GHz	25@DC～0.5 GHz 5(the rest)
WBKG1133-3211-01	T	SMA	DC ~21.2	1.20@DC～4.2 GHz 1.22@4.2～7 GHz 1.25@7～10.5 GHz 1.33@10.5～13.5 GHz 1.35@13.5～21.2GHz	0.20@DC～4.2 GHz 0.25@4.2～7 GHz 0.30@7～10.5 GHz 0.40@10.5～13.5 GHz 0.50@13.5～21.2GHz	65@DC～13.5 GHz 60@13.5～21.2 GHz	20
WBKG1146-3411-01	T	SMK	17.7~19.3 25~26	1.30@17.7～19.3GHz 1.43@25～26 GHz	0.50@17.7～19.2 GHz 0.70@25～26 GHz	60	5
WBKG1122-3311-02	T	TNC	1~3	1.25@ DC～4.8 GHz	0.20@ DC～4.8 GHz	60@ DC～3GHz 50@3～4.8GHz	120@1.25GHz
WBKG1233-3131-01 WBKG1233-3211-01	SPDT	SMA	DC~18	1.10@DC~1.8GHz 1.20@1.8~4.2GHz 1.25@4.2~14.5GHz 1.33@14.5~18GHz 1.33@18~22GHz	0.12@DC~4.2GHz 0.20@4.2~8.4GHz 0.30@8.4~14.5GHz 0.35@14.5~18GHz 0.35@18~22GHz	70	35
WBKG1236-3621-01 lightweight	SPDT	SMA	DC~22	1.20@DC~12.75GHz 1.25@12.75~14.5GHz 1.33@14.5~22GHz	0.12@DC~4.2GHz 0.20@4.2~10.7GHz 0.25@10.7~12.75GHz 0.30@12.75~14.5GHz 0.35@14.5~22GHz	70@DC~12.75GHz 60@12.75~22GHz	35
WBKG1246-3131-01	SPDT	SMK	17.5~27	1.40@17.5~21.5 GHz	0.40@17.5~21.5GHz	70@17.5~21.5 GHz	10@17.5 ~27GHz
WBKG1221-3211-01 WBKG1221-3131-02	SPDT	TNC	DC～4.8	1.15@DC～2.2 1.38@2.2～4.8	0.15@DC～2.2 0.22@2.2～4.8	70	215@L 150@ S/C
WBKG2235-3211-01	DPDT	SMA	DC~18	1.10@DC~0.1GHz 1.15@0.1~2GHz 1.25@2~8GHz 1.30@8~14GHz 1.40@14~18GHz	0.10@DC~0.1GHz 0.15@0.1~2GHz 0.25@2~8GHz 0.30@8~14GHz 0.40@14~18GHz	70@DC~14GHz 60@14~18GHz	35

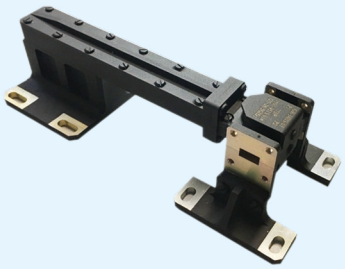
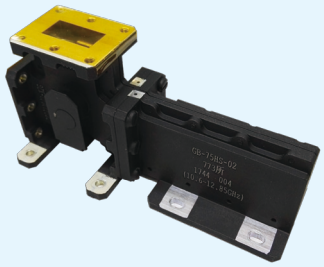
产品型号	切换方式	射频接口	工作频段	驻波比	插损	隔离度	额定功率
WBKG2235-3411-01	DPDT	SMA	DC~0.5 3.7~6.6 7~9.5 10.5~13 13.5~15	1.12@DC～0.5 GHz 1.19@3.7~6.6 GHz 1.22@7~9.5 GHz 1.30@10.5~13 GHz 1.33@13.5~15 GHz	0.15@ DC～0.5 GHz 0.25@3.7~6.6 GHz 0.25@ 7~9.5 GHz 0.35@10.5~13 GHz 0.38@13.5~15 GHz	60	5
WBKG2237-3221-01	DPDT	SMK	32~33.5	1.40	0.65	60	5
WBKG1122-3311-02	DPDT	TNC	1~3	1.25@ DC～4.8 GHz	0.20@ DC～4.8 GHz	60@ DC～3GHz 50@3～4.8GHz	120@1.25GHz
WBKG2332-3211-01	DP3T	SMA	DC～22	1.20@DC～12.75 GHz 1.25@12.75～14.5GHz 1.33 @ 14.5～22 GHz	0.12 @ DC～4.2 GHz 0.20 @ 4.2～10.7 GHz 0.25@ 10.7～12.75GHz 0.30@ 12.75～14.5GHz 0.35 @ 14.5～22 GHz	70 @ DC～12.75 GHz 65 @ 12.75～22 GHz	25
WBKG2322-3211-01 1.38 @ 2.2～4.8	DP3T	TNC	DC～4.8	1.20 @ DC～2.2	0.12 @ DC～2.2 GHz 0.22 @ 2.2～4.8 GHz	70 @ DC～2.2 GHz 60 @ 2.2～4.8GHz	200

Waveguide Switch Волноводный переключатель



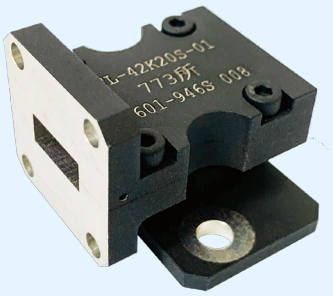
产品型号	切换方式	射频接口	工作频段	驻波比	插损	隔离度	额定功率
Model. No	Switch Type	Connector Type	Frequency band (GHz)	VSWR	Insertion Loss	Isolation	RF Power
Модель	Тип переключателя	Тип разъема	Диапазон частот	КСВ	Вносимые потери	Изоляция	Номинальная мощность
WBKG2287-3421-01	C	WR28	32-33	1.15	0.25	55	80
WBKG2346-3411-01	C	WR34	25~26.5	1.15	0.15	55	100
WBKG2426-3421-01	C	WR42	22~25	1.15	0.2	55	100
WBKG2516-3421-01	C	WR51	18~21	1.15	0.1	60	130
WBKG21124-3421-01	C	WR112	7~9	1.15	0.08	60	100

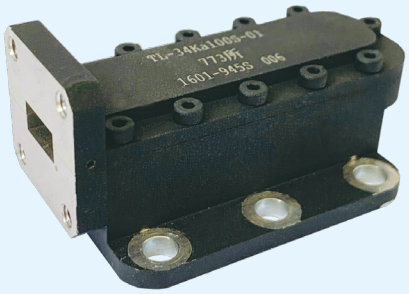
隔离器 Isolator Изолятор

产品型号	射频接口	工作频段	驻波比	插损	隔离度	额定功率
Model. No	Connector Type	Frequency Band	VSWR	Insertion Loss	Isolation	RF Power
Модель	Тип разъема	Диапазон частот	КСВ	Вносимые потери	Изоляция	Номинальная мощность
GB22T-353358-030S-01	WR22	35.3~35.8	1.2	0.2	20	30
GB28B-280300-040S-01	WR28	28~30	1.2	0.2	20	40
GB-34HS-03	WR34	25~26.5	1.2	0.2	22	100
GB-42HS-01	WR42	22.55~23.55	1.15	0.2	23	100
GB51HS-02	WR51	17.7~21.2	1.15	0.2	21	240
GB-62HS-01	WR62	14~14.5	1.15	0.15	20	240
GB-75HS-02	WR75	10.6~12.85	1.2	0.15	21	250
GB90B-082124-300S-01	WR90	9.1~10.1	1.15	0.15	20	300
GB112B-072078-300S-01	WR112	7.25~7.78	1.15	0.15	20	300

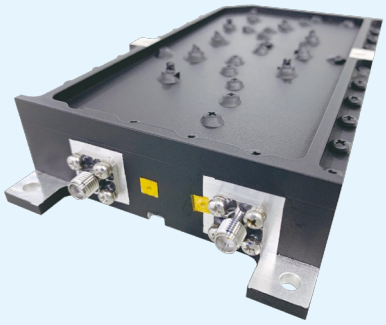
负载 Load Нагрузка





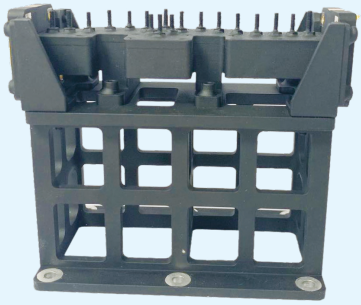
产品型号	射频接口	工作频段	驻波比	额定功率
Model.No	Connector Type	Frequency Band	VSWR	RF Power
Модель	Тип разъема	Диапазон частот	КСВ	Номинальная мощность
TL-28Ka40S-01	WR28	32-33	1.2	/
TL-34Ka100S-01	WR34	25-28	1.15	/
TL-42K20S-01	WR42	22.5-24	1.15	/
TL-51K60S-01	WR51	18-21.2	1.15	/
TL-112X50S-01	WR112	7-9	1.2	/

同轴滤波器 Coaxial Filter Коаксиальный фильтр



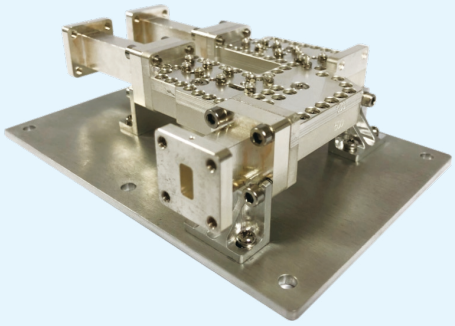
产品型号	工作频段	中心频率	通道带宽	带内回波损耗	带外抑制	中心频率插损
Model.No	Frequency Band	Center Frequency	Channel Bandwidth	Passband Return Loss	Out Of Band Rejection	Insertion Loss Of Center Frequency
Модель	Диапазон частот	Центральная частота	Пропускная способность канала	Возвратные потери полосы пропускания	Внеполосное отклонение	Вносимые потери на центральной частоте
JLQT-8.224-350M/0.5AB6	X	8.224GHz	350MHz	20dB	20dBc	0.3dB
JLQT-14.25-500M/0.65AB8	Ku	14.25GHz	500MHz	20dB	30dBc	0.4dB
JLQT-406.5M-10M/3EAD	L	406.5MHz	10MHz	20dB	80dBc	0.4dB
JLQT-1544.21M-10M/3EAD	L	1544.21MHZ	10MHz	20dB	80dBC	0.4dB

波导滤波器 Waveguide Filter Волноводный фильтр



产品型号	工作频段	中心频率	通道带宽	带内回波损耗	带外抑制	中心频率插损
Model.No	Frequency Band	Center Frequency	Channel Bandwidth	Passband Return Loss	Out Of Band Rejection	Insertion Loss Of Center Frequency
Модель	Диапазон частот	Центральная частота	Пропускная способность канала	Возвратные потери полосы пропускания	Внеполосное отклонение	Вносимые потери на центральной частоте
FB-90DTHS-01	X	9.6GHz	1GHz	20dB	60dBc	0.5dB
FB-51DTHS-01	K	19.2GHz	360MHz	20dB	25dBc	0.45dB

双工器 Duplexer Антенный переключатель



产品型号	射频接口	工作频段	驻波比	插损	隔离度	额定功率
Model.No	Connector Type	Frequency Band	VSWR	Insertion Loss	Isolation	RF Power
Модель	Тип разъема	Диапазон частот	КСВ	Вносимые потери	Изоляция	Номинальная мощность
DB-28/34/42HS-01		Ka	1.30@24.57～24.63GHz 1.30@32.47～32.53GHz	0.45@24.57～24.63GHz 0.65@32.47～32.53GHz	30dBc@24.57～24.63GHz 15dBc@32.3～32.7GHz 90dBc@32.47～32.53GHz	40
DB-34/34/34HS-01		Ka	1.30@25.145~25.895GHz 1.30@26.025~26.775GHz	0.5@25.145~25.895GHz 0.5@26.025~26.775GHz	25dBc@22.52~24.77GHz 25dBc@26.27~28.52GHz 19dBc@24.77~24.97GHz 19dBc@26.025~26.27GHz 25dBc@23.4~25.65GHz 25dBc@27.15~29.4GHz 19dBc@25.65~25.85GHz 19dBc@26.905~27.15GHz	60
DB-34/34/34HS-02		Ka	1.30@25.545~26.295GHz 1.30@26.585~27.335GHz	0.5@25.545~26.295GHz 0.5@26.585~27.335GHz	25dBc@22.92~25.17GHz 25dBc@26.67~28.92GHz 19dBc@25.17~25.37GHz 19dBc@26.425~26.67GHz 25dBc@23.96~26.21GHz 25dBc@27.71~29.96GHz 19dBc@26.77~26.97GHz 19dBc@27.465~27.71GHz	60