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3D MODELING



RAPID PROTOTYPING



TOOLING



PLASTIC INJECTION
has capacity and tools



PICK AND PLACE



DEVELOPMENT AND TESTING

- > 8.5GHz Network Analyser
- > 4.0GHz RF Signal Generator
- > 11GHz Spectrum Analyser
- > 1600MHz Noise Figure Meter
- > 18GHz Noise Source
- > Anechoic Box
- > DC Power Supply
- > Circuit Simulation Software

INTRODUCTION

CABLE ASSEMBLY Adapter and extension leads



FAKRA G FEMALE - 10 cm
RG174-MCX FEMALE



H.FL-7cm
1,32 mm-FME M BULKHEAD



FME FEMALE-7 cm
RG174-SMA MALE



MMCX MALE - 7 cm
RG316-SMB FEMALE



U.FI- 7 cm RG316-SMB M
BULKHEAD



MMS MALE, 90 dgr - 10 cm
RG 178- SMA FEMALE BULKHEAD

*cable and connectors per request

2J antenna conceptr can offer customised flexible coaxial cable assembly

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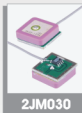




frequency (see table 1)	a,b,c,d,e,f,m,n	a,b,c,d,e,f,h,i,m,n	a,b,c,d,e,f,m,n	a,b,c,d,e,f,m	a,b,c,d,e,m	f,g
VSWR	<2.0:1	<2.0:1	<2.0:1	<2.0:1	<1.2:1 for GPS	<2.0:1
gain	3dBi (GSM) 26-28dB (GPS)	2dBi (GSM) 26-28dB (GPS) 5-10dBi (AM/FM)	2.2dBi (GSM) 26-28dB (GPS)	0dBi (GSM) 0dBi (WIFI) 26-28dB (GPS)	24-26dBi	2.4 Ghz - 5dBi 5.8 Ghz - 2dBi
voltage	Passive (GSM) 2.7-5.5V (GPS)	Passive (GSM) 2.7-5.5V (GPS) 12-15V (AM/FM)	Passive (GSM) 2.7-5.5V (GPS)	Passive (GSM) 2.7-5.5V (GPS)	3-5V	Passive
size	91x52x48mm	92x52x480mm	70 dia x15mm	77x34x13,5mm	22x28x13mm	76x39mm
mounting	Body	Body	Body	Any surface	Any surface	Any surface

Table 1 *cable and connectors per request

Ref.	Frequency Band	Abbreviation for Datasheet	Ref.	Frequency Band	Abbreviation for Datasheet
a	AMPS 824-894MHz	AMPS	i	FM 80MHz-110MHz	FM
b	GSM900	GSM	j	DAB 150MHz - 240MHz	DAB
c	GSM1800	DCS	k	DVB 440MHz - 870MHz	DVB
d	PCS1900	PCS	l	TETRA 380MHz-500MHz	TETRA
e	UMTS 2.1Ghz	UMTS	m	GPS 1575MHz	GPS L1
f	2.4Ghz	WIFI 2.4	n	Glomass 1590MHz - 1610MHz	GLONASS L1
g	5.8Ghz	WIFI 5.8	o	Tunable between 240MHz - 2400MHz (BW 120MHz)	TUNABLE (240MHz - 2400MHz, BW 120MHz)
h	AM 500KHz-10MHz	AM			



frequency (see table 1)	m,n	m,n	a,b,c,d,e,f,m	a,b,c,d,e,f	a,b,c,d,e,f,g	a,b,c,d,e,f
VSWR	<1.5:1	<1.5:1	<2.0:1	<1.5:1	<2.0:1	<2.0:1
gain	26-28dB	26-28dB	26-28dB	0dBi	0dBi	0dBi
voltage	2.7-5.5V	2.7-5.5V	2.7-5.5V	Passive	Passive	Passive
size	18x18mm	25x25mm	62x26mm	75x25mm	42x19mm	35x6mm
mounting	Internal	Internal	Internal	Internal	PCB mounted	Internal

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d	PCS1900	PCS	l	TETRA 380MHz-500MHz	TETRA
e	UMTS 2.1Ghz	UMTS	m	GPS 1575MHz	GPS L1
f	2.4Ghz	WIFI 2.4	n	Glomass 1590MHz - 1610MHz	GLONASS L1
g	5.8Ghz	WIFI 5.8	o	Tunable between 240MHz - 2400MHz (BW 120MHz)	TUNABLE (240MHz - 2400MHz, BW 120MHz)
h	AM 500KHz-10MHz	AM			



frequency (see table 1)	l,o	j,k	b,c	l	a,b,c,d,e,f	a,b,c,d,e,f
VSWR	<2.0:1	<2.0:1	<2.0:1	<2.0:1	<2.0:1	<2.0:1
gain	2.2dBi	18dBi	9dBi	2dBi	2.2dBi Max	2.2dBi Max
voltage	Passive	5V	Passive	Passive	Passive	Passive
size	330Maxx30x13mm	140x33x3,8mm	765x170x50mm	135x12,6mm	53x9,7mm	298x17mm
mounting	Wall	Glass	Mast	Whip	Whip	Wall/bracket

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h	AM 500KHz-10MHz	AM			



frequency (see table 1)	VSWR	gain	voltage	size	mounting
a,b,c,d,e,f,i	<2.0:1	2.2dBi Max	Passive	127x22mm	Patch

fast internet



frequency (see table 1)	VSWR	gain	voltage	size	mounting
b,c	<2.0:1	0dBi	Passive	42x16mm	Internal

fleet & trucking



frequency (see table 1)	VSWR	gain	voltage	size	mounting
GSM-R 876-924MHz	<2.5:1	2.2dBi	Passive	80x75mm	Body

gsm - railway

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h	AM 500KHz-10MHz	AM			

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