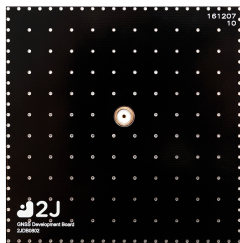
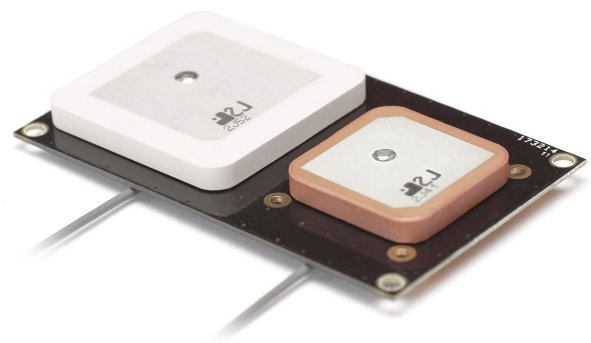




## MULTIBAND ANTENNAS IRIDIUM/GPS/3G/LTE DEVELOPMENT KIT



With the Multiband Antennas Development Kit you can carry out rapid antenna prototyping in-house, avoiding costly NRE development fees. Our development kit is an inexpensive, quick and effective way to determine the correct Iridium/GPS antennas to use inside your device.

The kit contains six Iridium ceramic thru-hole mount patches covering 1616 to 1652 MHz and a 7cm x 7cm test board. Also included is the 2JP0133BGF Iridium/GPS embedded antenna along with the 2JP0704P 3G antenna and 2JP0624P LTE antenna.



## 2JDK0126a-A28

Set of 6 Patches to Integrate on Devices.  
Thru Hole Mount.  
High Gain.  
GroundPlane Dependent.  
36 x 36 x 44mm.

1616-1627 - Ceramic patch 2JCP3642601a (2J52)

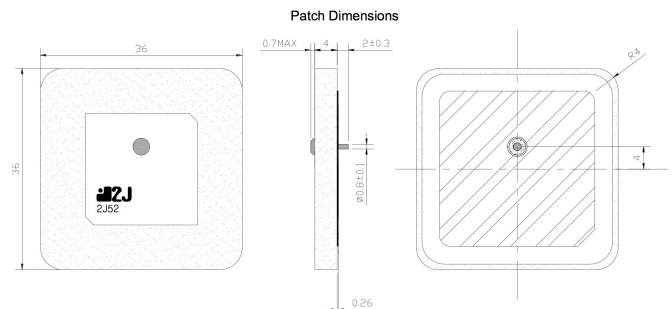
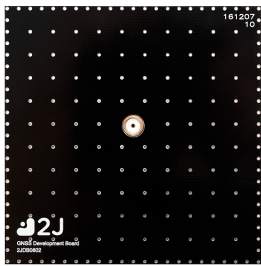
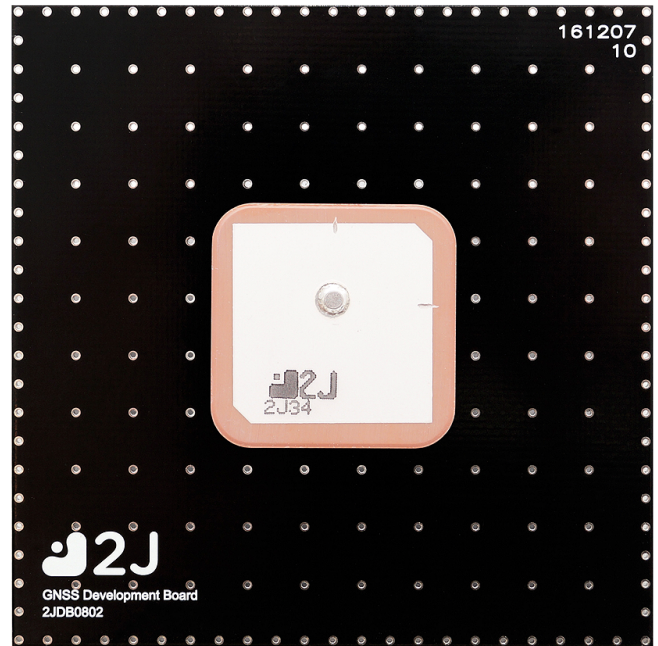
1621-1632 - Ceramic patch 2JCP3642602a (2J53)

1626-1637 - Ceramic patch 2JCP3642603a (2J54)

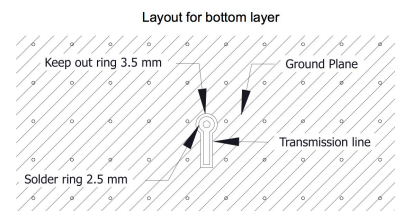
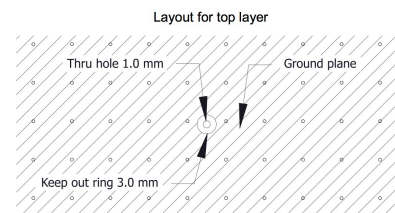
1631-1642 - Ceramic patch 2JCP3642604a (2J55)

1636-1647 - Ceramic patch 2JCP3642605a (2J56)

1641-1652 - Ceramic patch 2JCP3642606a (2J57)



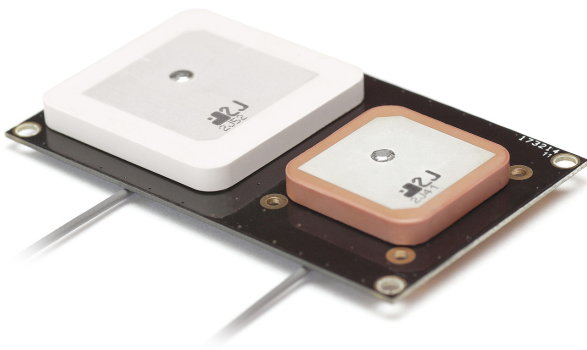
Return Loss (dB)	~-18.8
VSWR	~1.2:1
Efficiency%	~76
Peak Gain (dBIC)	~4.5
Average Gain (dB)	~-1.1
Impedence (Ohms)	50
Axial Ratio (dB)	3 max
Radiation Pattern:	Hemispherical
Polarization:	RHCP





## 2JP0133BGF

GPS/GLONASS & IRIDIUM  
Embedded Antenna

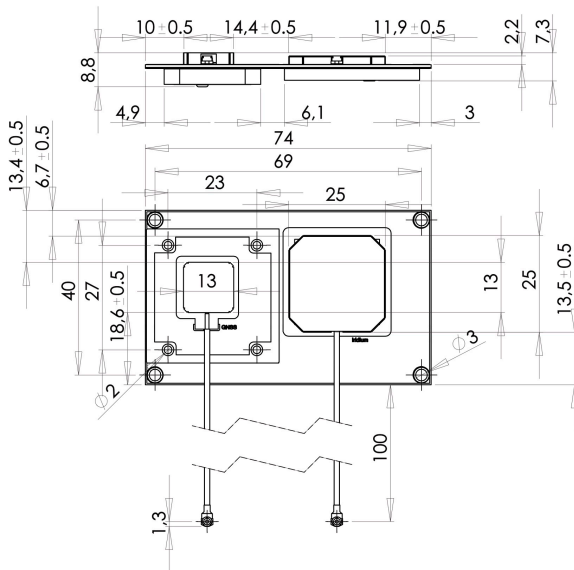


### Cable 1 GNSS

Frequency	1575.42/1598-1606
Passive Gain (dBi)	~3.6
Impedence (Ohms)	50
Radiation Pattern:	Hemispherical
Voltage Range (V)	1.5-3.6
Active Gain (dB)	28@2.7V
Noise Figure (dB)	1.8@2.7V
Current Consumption (mA)	9@2.7V
Power Consumption (mW)	24.3@2.7V
Connector Type:	UFL, SMB, SMA
Cable Length:	100cm
Cable Type:	1.3mm Mini-Coax Standard

### Cable 2 IRIDIUM

Frequency:	1616-1627
Return Loss (dB)	~-18.8
VSWR	~1.2:1
Efficiency%	~76
Peak Gain (dB)	~4.5
Average Gain (dB)	~-1.1
Impedence (Ohms)	50
Radiation Pattern:	Hemispherical
Axial Ratio (dB)	3 Max
Polarization:	RHCP
Mounted on Groundplane	70 x 70mm





## 2JP0704P

CELLULAR RIGID FIBERGLASS



Bands (MHz)	850/900	1700/1800/1900/2100
Frequency (MHz)	824-960	1710-2170
Return Loss (dB)	~-9.0	~-13
VSWR	~2.5:1	~1.7:1
Efficiency %	~32.6	~39.1
Peak Gain (dBi)	~-1.3	~-1.3
Average Gain (dB)	~-4.9	~-4.1
Polarization:	Linear	
Radiation Pattern:	Omni Directional	
Connector Type:	UFL Standard (others available)	
Cable Length:	150mm Standard (others available)	
Cable Type:	1.3mm Mini-Coax Standard (others available)	

## 2JP0624P

CELLULAR/LTE RIGID FIBERGLASS



Bands (MHz)	700/850/900	1700/1800/1900/2100	2600
Frequency (MHz)	698-960	1710-2170	2500-2700
Return Loss (dB)	~-15.1	~-12.5	~-9.0
VSWR	~1.5:1	~1.8:1	~2.1:1
Efficiency %	~45	~48	~48
Peak Gain (dBi)	~0.3	~1.5	~2.8
Average Gain (dB)	~-3.5	~-3.3	~-3.1
Polarization:	Linear		
Radiation Pattern:	Omni Directional		
Connector Type:	UFL Standard (others available)		
Cable Length:	150mm Standard (others available)		
Cable Type:	1.3mm Mini-Coax Standard (others available)		