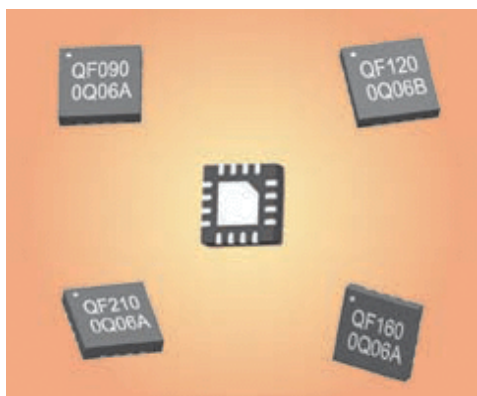


Realizing the World's Most Compact High Precision GNSS Antenna (GPS, BEIDOU, GALILEO, GLONASS)

Miniature Quadrifilar IC

- The World's most integrated Quadrifilar IC (only 3*3mm)
- The quadrifilar IC*1pcs (3*3mm) can replace 3dB 90 °coupler (6*5mm)*3pcs
(Four-phased antenna coupler)

Samples and EVB can be provided !



Features:

- Ultra small size: 3*3(mm)
- Excellent phase & amplitude balance
- Excellent repeatability
- With internal 50 ohm termination
(no need external termination)
- Built with leading edge RFIC design technology
- Have one Input port and four Output ports that have -6dB -(0 °,90 °,180 °,270 °) of phase difference
- Quadrifilar Coupler、 4-Phased Antenna Feeder、 Helicale Antenna Feeder

Quadrifilar IC Specifications :

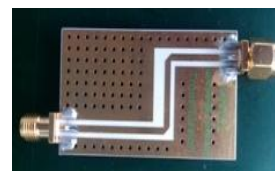
P/N	Freq. (MHz)	Power (W)	Size (mm)	RL (dB)	Insertion Loss (dB)	Insertion Loss (dB)	Amplitude Balance (dB)	Phase Balance (度)	Isolation (dB)
QF0900Q06A	865~930	5	3×3	7~13	1.95	1.91@865M	±0.6	-6~0	9~21
						1.57@900M			
						1.36@930M			
QF1200Q06A	1165~1300	5	3×3	11~40	1.15	1.10@1165M	±0.5	-9~0	9~17
						1.01@1246M			
						1.11@1300M			
QF1600Q06A	1520~1660	5	3×3	11~27	1.02	1.01@1520M	±0.9	-8~0	9~18
						0.90@1616M			
						0.92@1660M			
QF2100Q06A	1980~2200	5	3×3	8~20	2.0	1.94@1980M	±0.9	-9~0	7~20
						1.46@2100M			
						1.17@2200M			
QF2100Q06B	1980~2200	5	3×3	9~23	1.95	1.89@1980M	±1.0	-9~0	7~21
						1.40@2100M			
						1.16@2200M			
QF2500Q06A	2400~2600	5	3×3	9~20	1.6	1.25@2500M	±0.9	-9~0	9~20



Sample



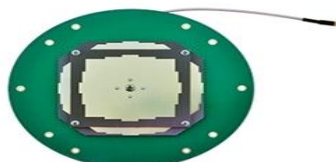
Eval. Board



Transmission Board



GNSS high precision antenna



GNSS dual-layer SMD Antenna