








WiFi®, Bluetooth® and ZigBee®

										
Product Name	Titanis (EOL)	Trogon	Mutica	Mica	Rufa	Serica	Fusca	Weii	Sharpi	
Part No.	B4844	SR42W009	SR42W001	A5645	A5839 A5887	SR4W035	A10192	SRCW004	SRC5G027	
Frequency	2.4Ghz	2.4Ghz / 5Ghz		2.4Ghz				5Ghz		
Dimensions (mm)	20 x 62.5	19.3 x 3.3 x 4.4	11.3 x 5 x 0.8	20.5 x 3.6 x 3.3	12.8 x 3.9 x 1.1	6 x 4 x 0.4	4 x 3 x 1.1	1.0 x 0.5 x 0.5		
Gain (dBi)	Peak	2.2	5.03 / 5.32	2.0 / 3.0	1.8	2.1	3.5	0.8	2.5	3.5
	Ave.	-1	-0.6 / -2.2	-0.5 / -2.5	-1.9	-1.2	-1.5	-1.9	-1.5	-2.5
Ground plane	SMA									

				
Product Name	Zenon	Dromus	Amoris	Zoma
Part No.	SR4W030	SRF2W012	SRF2W021	SR4T014
Frequency	2.4Ghz	2.4 / 5Ghz		4.48Ghz
Dimensions (mm)	23 x 16 x 1.6	30 x 6 x 0.15	27 x 14 x 0.15	4 x 4 x 0.4
Gain (dBi)	Peak	5.2~2.6	3.0 / 4.0	2.8 / 5.1
	Ave.	-2.5~-3.0	-1.5 / -1.8	1.3 / -1.2
Ground plane	On the metal 			대용량 data 전송



LoRa, NB-IoT, ISM


									
Product Name	Latona	Grandis	Montana	Armata	Inca	Pacifica			
Part No.	SR4C033-L SR4C033-R	SR42I010-L SR42I010-R	SRF2I019	SRFC011	SRFI028	SREI038-IPP	SREI038-S9P	SREI038-xxP	
Frequency	791~862M (B20) 824~960M	868Mhz , 916Mhz (863~870, 902~928)			433Mhz				
Dimensions (mm)	20 x 11 x 1.6	12 x 11 x 1.6	23 ² x pi x 0.15	30 x 28.5	101 x 20 x 0.15	143.7 x 22.5 max.	152.56 x 22.5 max.	138.5 x 22.49 max. Excluding cable	
Gain (dBi)	Peak	0.5 / 0.8	0.2 / 0.4 / 0.2	1.9	2.46	2.8	-0.9	-1.1	-1.19
	Ave.	-1.5	-2.5 / -2.2 / -4.0	-2.4	-3.79	-2.7	-2.6	-2.9	-3.0
Ground plane						SMA plug, Cable length 1.0/2.0m , 25pcsx2ea/ box			

3G, 4G LTE / NB-IoT (KT / LGU+)							
							
Product Name		Calvus	Armata	Avia B5,B8,B3	Simils	Zhengi B7	Integra
Part No.		A10340	SRFC011	SRFC025	SR4C005	SRFC015	SR4L049-L SR4L049-R
Frequency		GSM824 ~960 1710~1990Mhz 2110~2170Mhz			GSM824~960 1710~1990M 2110~2170M LTE2.3~2.4G LTE2.5~2.69Ghz		791~960Mhz 1710~2170Mhz LTE2.3~2.4Ghz LTE2.5~2.69Ghz
Dimensions (mm)		28 x 8 x 3.2	30 x 28.5	71 x 12.5 x 0.15	40 x 10 1.6	80 x 20 x 0.15	23 x 8 x 3.3
Gain (dBi)	Peak	1.7 / 3	2.46 / 4.06 / 3.89	4.07 / 5.44 / 3.9	0.9 / 2.5 / 2.5 / 2.5 / 3.2	0.5 / 4 / 3.5 / 3.8 / 5	-1.4 / 3.0 / 3.0
	Ave.	-1.8 / -1.6	-3.79 / -2.59 / -2.21	-3.31 / -1.1 / -1.74	-1.5/-1.5/-1.5/ -1.7/-1.7	-2.5/-1.5/-2.5 / -2.5/-1.5	-1.7 / -2.0 / -2.0
							
Product Name		Lucida	Inversa	Mitis	Moseni B7	Draco	
Part No.		SR4L002	SR4L034-L SR4L034-R	SRFL026	SRFL029	SREL036-IPP	SREL036-S9P SREL036-xxP
Frequency		LTE698~798Mhz GSM824~960 1710~2170Mhz LTE2.3~2.4Ghz LTE2.5~2.69Ghz			LTE698~960Mhz 1427~1660Mhz 1720~2170Mhz LTE2300~2400Mhz 2500~2690Mhz		
Dimensions (mm)		35 x 8.5 x 3.2	28 x 8 x3.3	110 x 20 x 0.15		143.7 x 22.5 max.	152.56 x 22.5 max. 138.5 x 22.49 max.
Gain (dBi)	Peak	0.5 / 1.0 / 2.5 / 1.6 / 2.5	0.4 / 1.6 / 3.5 / 3.6 / 2.1	2.5 / 2.3 / 3.5 / 4 / 4.5	3.5 / 3.5 / 3.8 / 4.5 / 4.6	2.46 / 2.07 / 3.33 / 3.29 / 4.14	2.18 / 1.92 / 3.29 / 3.23 / 4.08 1.23 / 1.23 / 1.73 / 1.51 / 1.59
	Ave.	-1.5 / -1.5 / -1.5 / -1.2 / -2.0	-2 / -1.1 / -2 / -2 / -1.6 / -2.3	-1.5 / -1.6 / -1.7 / -1.7 / -1.4	-1.6/-1.7/-1.4/-0.7/-0.5	SMA plug, Cable length 1.0/2.0m , 25pcsx2ea/ box	






GPS antenna

SMD

FPC + IPEX (UFL) connector

		SMD				FPC + IPEX (UFL) connector		
		 EOL In Stocks						
Part Name	Brevis	Acuta	Sinica	Beltii	Robusta	Bentoni	Asper	
Part No.	A10204	A10415	SR4G008	SR4G013	SR4G031	SRFG017	SRFGW018	
Architecture	GPS		GPS / GLONASS			GLONASS / WiFi		
Frequency	1575Mhz		1559~1609Mhz			1559~1609 Mhz / 2.4Ghz		
Gain	Peak	0 dBi	0.4 dBi	3 dBi	2.3 dBi	5.2 / 2.6 / 3.3 dBi	4dBi	4.25 dBi / 5.6 dBi
	Average	-2.4 dBi	-2.2dBi	0 dBi	-2.3 dBi	-3 / -2.5 / -3 dBi	-1.2dBi	-1.1 dBi / -0.6 dBi
Efficiency	Linear	>50%	60%	>75%	> 60%	> 50%, >60%, >50%	>75%	>75%, >85%
	RHCP	>30%	40%	>38%		RF GND / Free space / Metal floating		1559~1609 Mhz / 2.4~2.5Ghz
Dimensions (mm)	22 x 3 x 3	29.6 x 5 x 6.8	7 x 5.8 x 0.4	15.6 x 3.3 x 4.4	23 x 16 x 1.7	40 x 14 x 0.15	81 x 14 x 0.15	
Cable Length		1000 pcs / Box		Pin1 - GND	On the metal	Cable 50, 100, 150mm	Cable 100, 150, 200mm	
Packaging	2,000 pcs / Reel	100 pcs / Tray	1,000 pcs / Reel	1,000 pcs / Reel	1ea/Bag, 100/Bag	10 pcs / Bag , 20 bag / Box, 200pcs / Box		
Ground plane								

GPS antenna module

		Antenna + RF + BB		Module (RF + BB)		Antenna +RF
						New 
Part No.		M20048-1	M20050-1	M10578-A2	M10578-A3	M20047-1
GPS Chipset		Mediatek MT3337-E ROM	Mediatek MT3333 Flash	MT3337-E	MT3333 flash	Epcos GNSS
Frequency		1575.8Mhz	1559~ 1609 MHz	1575.8Mhz	1559~ 1609 MHz	1559~ 1609 MHz
External Antenna Support		Yes	Yes	Yes	Yes	
Power Consumption	Acquisition	31mA	38mA	31mA	38mA	(LNA) 2.5mA
	Tracking	24mA	28mA	24mA	28mA	
	Sleep mode	<200uA	<350uA	< 200uA	< 350uA	
Bandwidth		30Mhz	50Mhz	30Mhz	50Mhz	
Host Interface		UART CMOS 3.3v	UART CMOS 3.3v	UART COMS 3.3v	UART CMOS 3.3v	
Baud Rate (bps)		4800/9600/ 38400/115200	9600	4800/9600/ 38400/115200	9600	
Data Output		NMEA 0183	NMEA 0183	NMEA 0183	NMEA 0183	
Sensitivity	Acquisition	-148dBm	-148dBm	-148dBm	-148dBm	LNA Gain 19.6 dBm
	Tracking	-165dBm	-165dBm	-165dBm	-165dBm	
Dimensions (mm)		13.8 x 9.5 x 1.8		9 x 9 x 1.8		7 x 7 x 1.1
Packaging		1,000 pcs / Reel				
Typical application		Tracking Devices, PND, OBD2, mHealth				Tracking devices, Sports wearable, Telemetric