
















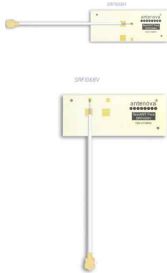
















WiFi [®] , Bluetooth [®] and ZigBee [®]									
									
Product Name		Trogon	Mutica	Mica	Comata	Rufa	Dolo	Serica	Fusca
Part No.		SR42W009	SR42W001	A5645H	A6111H	A5839H A5887H	SR4W089	SR4W035	A10192H
Frequency		2.4Ghz / 5Ghz			2.4Ghz				
Dimensions (mm)		19.3 x 3.3 x 4.4	11.3 x 5 x 0.8	20.5 x 3.6 x 3.3	12.8 x 3.6 x 3.3	12.8 x 3.9 x 1.1	7.5 x 4 x 0.9	6 x 4 x 0.4	4 x 3 x 1.1
Gain (dBi)	Peak	5.03 / 5.32	2.0 / 3.0	1.8	0.0	2.1	3.0	3.5	0.8
	Ave.	-0.6 / -2.2	-0.5 / -2.5	-1.9	-3.5	-1.2	-1.2 / 76% / 1.8:1	-1.5	-1.9
Ground plane									

		WiFi® 6 / 6E / 7							
							 WiFi 6E 2x MIMO		
Product Name		ADARA1/2	Billi	Lotti	WOLF	MIRA	AGENA	EPSILON	Nitida
Part No.		SZP-C-1W11/12	SR43W078	SRF3W077-100	SZK-C-0W07	SZK-C-0W08	SZK-C-1W09	SZC-C-2W14	SRE3W084-S9R-S9P R: SMA plug Reverse P: SMA plug
Frequency		2.4-2.5GHz / 4.9-5.85GHz / 5.925-7.125GHz							
Dimensions (mm)		9 x 5.8 x 1.1	15 x 6 x 1	30 x 8 x 0.15	25 x 11 x 0.2	30.0 x 6.0 x 0.2	75.0 x 20.0 x 0.2	1.6 x 0.8 x 0.8	123 x 12.7 x Φ12.1 (mm3)
Gain (dBi)	Peak	0.8 / 2.48 / 2.82	2.9 / 4.7 / 4.9	2.8 / 3.2 / 4.4	1.85 / 5.5 / 3.4	3.4 / 4.2 / 4.85	1.5 / 3.5 / 4.2	0.5 / 2.26 / 2.52	3.1 / 5.2 / 5
Efficiency (%)		>48 / >50 / >55	70 / 60 / 65	70 / 65 / 70	>65 / >65 / >65	>70 / >60 / >70	>60 / >65 / >70	>45 / >65 / >55	70 / 60 / 55
Ground plane									



ISM / LoRa, NB-IoT, SigFox, Wi-SUN / UWB

										
Product Name		Velox	Grandis	Montana	Lama (New)	Fera (New)	Vorax	Atta	Inca	Pacifica
Part No.		SR4I052	SR42I010 (L,R)	SRF2I019	SRFI065	SRFI068 (H,V)	SRFU076	SRFI079	SRFI028	SREI038-S9P
Frequency		868Mhz , 916Mhz (863~870, 902~928)				916Mhz (902~928)	6.5 ~ 9Ghz	410~432Mhz 432~434Mhz 434~470Mhz	433Mhz	
Dimensions (mm)		35 x 8 x 0.9	12 x 11 x 1.6	23 ² x pi x 0.15	35 x 10 x 0.15	33 x 13 x 0.15	15 x 15 x 0.15	101 x 20 x 0.15	110 x 20 x 0.15	152.56 x 22.5 max.
Gain (dBi) Efficiency	Peak	1.6	0.2 / 0.4 / 0.2	1.9	0.82 / 1.33	0.7	5.3	2.8 / 1.7 / 1.1	2.8	-1.1
	Ave.	-1.6	-2.5 / -2.2 / -4.0	-2.4	-2.84 / -2.78	-4.4	-1.2 / 75%	-1.7 / -2.3 / -3.2 >60, >55, >45%	-2.7	-2.9
Ground plane							MHF1			SMA plug, Ca- ble length 1.0/2.0m , 25pcsx2ea/ box

		4G LTE / NB-IoT , Cat.M1 (B5,B3)						
								
Product Name		Latona	Calvus	Armata	Avia	Simils	Zhengi	Integra
Part No.		SR4C033-L SR4C033-R	A10340H	SRFC011	SRFC025	SR4C005	SRFC015	SR4L049-L SR4L049-R
Frequency		791~862M (B20) 824~960M	GSM824 ~960 (B5,B8) 1710~1990Mhz(B3) 2110~2170Mhz			GSM824~960 1710~1990M 2110~2170M LTE2.3~2.4G LTE2.5~2.69Ghz (B7)		791~960Mhz 1710~2170Mhz LTE2.3~2.4Ghz LTE2.5~2.69Ghz
Dimensions (mm)		20 x 11 x 1.6	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	0.5 / 0.8	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.	-1.5	-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

		 Small pcb							
Product Name		Pharaoh	Curta	Lucida	Inversa	Mitis	Moseni B7	FCS	Draco
Part No.		SR4L073	SR4L096	SR4L002	SR4L034-L SR4L034-R	SRFL026	SRFL029	EXT-001(G)	SREL036-S9P
Frequency		LTE 698~798Mhz GSM824~960 1710~2170Mhz LTE2.3~2.4Ghz LTE2.5~2.69Ghz							
Dimensions (mm)		37 x 13 x 3.3	40 x 10 x 1.7	35 x 8.5 x 3.2	28 x 8 x3.3	110 x 20 x 0.15		115 x Φ10	152.56 x 22.5 max
Gain (dBi)	Peak	-1.4 / -0.1 / 2.9 / 2.6 / 2.9	2.1 / 3.8 / 3.8 / 2.7	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	0.79 / 2.33 / 4.55 / 5.62 / 4.06	2.18 / 1.92 / 3.29 / 3.23 / 4.08
	Ave.	-6 / -4.5 / -1 / -1.7 / -2.1	-2.5 / -1.7 / -2.8 / -2.7 / 56 / 66 / 52 / 53	-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	-0.73 / 1.69 / 3.31 / 3.96 / 3.58	SMA 25pcsx2ea/ box



5G (3.5Ghz) + 4G LTE
















E71(617~698) : 5G in USA



















(New)






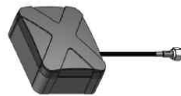




Product Name		Minima	Allani	Lepida	Lutosa	Affini	Rabo
Part No.		SR4L075	SR4L069	SR4L054	SRFL061	SRFL064	SREL062-
Frequency		LTE (617~698Mhz, 698~824Mhz), 824~960Mhz, 1710~2170Mhz, LTE 2.3~2.4Ghz, 2.5~2.69Ghz , 5G 3.2~3.8Ghz				LTE (617~698Mhz, 698~824Mhz), 824~960Mhz, 1710~2170Mhz, LTE 2.3~2.4Ghz, 2.5~2.69Ghz	LTE (617~698Mhz, 698~824Mhz), 824~960Mhz, 1710~2170Mhz, 2.3~2.4Ghz, 2.5~2.69Ghz, 5G 3.2~3.8Ghz
Dimensions (mm)		40 x 10 x 3.3	54.5 x 10 x 3.3	50.6 x 10.6 x 3.3	95 x 15 x 0.15	78 x 17 x 0.15	152.56 x 22.5 max.
Gain (dBi)	Peak	-1.4 / -0.3 / 2.0 / 3.3 / 3.3 / 4.3 / 3.9	-0.1 / 0.9 / 3.4 / 3.3 / 5.5 / 4.3	0.5 / 1.0 / 2.5 / 1.6 / 0.5 / 1.0	-1.7 / 1.7 / 2.7 / 3.6 / 3.7 / 3.6	1.03 / 1.03 / 1.71 / 3.86 / 3.9 / 3.88	0.41 / 2.42 / 2.51 / 3.87 / 5 / 3.89
	Ave.	-4.5 / -3.4 / -2.0 / -2.5 -2.5 / -2.1 / -3.0	-3.4 / -2.6 / -1.7 / -1.5 / -2.9 / -2.1	-1.5 / -1.5 / -1.5 / -2.0 / -1.5 / -1.5	-4.2 / -3.2 / -2.3 / -2.1 / -1.8 / -1.9 / -2.2	-3.32 / -3.53 / -2.9 / -2.12 / -1.58 / -1.93	SMA 25pcsx2ea/ box
Efficiency (Ave. %)		>35, >45 / >60 / >55 / >55 / >60 / >50	>45 / >55 / >66 / >57 / >63 / >55	>55 / >65 / >65 / >65 / >65 / >65	>40, >45 / >55 / >60 >65 / >65 / >60	>45 / >45 / >50 / >60 / >70 / >65	






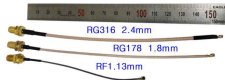

GPS antenna											
SMD							FPC + IPEX (UFL) connector				
											
		Edge	In Stocks	Precision L2 / L5				Reflector			
Part Name		Admotus	Acuta	Raptor	Sinica	Agosti	Beltii	Robusta	Bentoni	Asper	
Part No.		SRCG091	A10415	SR4G053	SR4G008	SR4G080	SR4G013	SR4G031	SRFG017	SRFWG018	
Architecture		GNSS	GPS	GPS / GLONASS						GLONASS / WiFi	
Frequency		1559~1610Mhz	1575Mhz	1164~1249Mhz / 1559~1609Mhz	1559~1609Mhz					1559~1609 Mhz / 2.4Ghz	
Gain	Peak	0.9 dBi	0.4 dBi	2.3dBi / 2.2dBi	3 dBi	0.7 dBi	2.3 dBi	5.2 / 2.6 / 3.3 dBi	4dBi	4.25 dBi / 5.6 dBi	
	Average	-2.6dBi	-2.2dBi	-0.9 / -1.5 dBi	0 dBi	-2.97dBi	-2.3 dBi	-3 / -2.5 / -3 dBi	-1.2dBi	-1.1 dBi / -0.6 dBi	
Effi- ciency	Linear	53%	60%	>75% / >65%	>75%	>50%	> 60%	> 50%, >60%, >50%	>75%	>75%, >85%	
	RHCP		40%	>38% / >33%	>38%			RF GND / Free space / Metal float- ing		1559~1609 Mhz / 2.4~2.5Ghz	
Dimensions (mm)		1.0 x 0.5 x 0.5	29.6 x 5 x 6.8	16 x 8 x 1.6	7 x 5.8 x 0.4	9 x 5.8 x 1.7	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		-40~125 / 7x5mm	1000 pcs / Box	Precision L2 band		Long GND	Pin1 - GND	On the metal	Cable 50, 100, 150mm	Cable 100, 150, 200mm	
Packaging		10K pcs / Reel	100 pcs / Tray	1,000 pcs/Reel	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 (No LNA) + BB		Antenna + RF (LNA) + BB	GPS Module (RF + BB)			Antenna +RF
								
Part No.		M20048-1	M20050-1	M20072 (New)	M20071 (New)	M10578-A2	M10578-A3	M20047-1 (LNA-SAW) M20057-1 (SAW-LNA)
GPS Chipset		Mediatek MT3337E ROM	Mediatek MT3333 Flash	Mediatek G3335MN Flash	MediaTek G3335MN flash	MT3337E ROM	MT3333 flash	Active GNSS antenna
Frequency		1575.8Mhz	1559~1609 MHz	1559~1609 MHz	1559~1609 MHz	1575.8Mhz	1559~1609 MHz	1559~1609 MHz
External Antenna Support		Yes	Yes	Yes	Yes	Yes	Yes	
Power Consumption	Acquisition	31mA	38mA	18mA	18mA	31mA	38mA	(LNA) 2.6mA
	Tracking	24mA	28mA	12mA	12mA	24mA	28mA	
	Sleep mode	<200uA	<350uA	<100uA	<100uA	< 200uA	< 350uA	
Bandwidth		30Mhz	50Mhz	<2.5m CEP	<2.5m CEP	30Mhz	50Mhz	62Mhz
Position Accuracy								
Host Interface		UART CMOS 3.3v	UART CMOS 3.3v	UART 1.8v TYP	UART 1.8v TYP	UART COMS 3.3v	UART CMOS 3.3v	1.5~3.3V
Baud Rate (bps)		4800/9600/38400/115200	9600	115200 default	115200 default	4800/9600/38400/115200	9600	
Data Output		NMEA 0183	NMEA 0183	NMEA 0183	NMEA 0183	NMEA 0183	NMEA 0183	
Sensitivity	Acquisition	-148dBm	-148dBm	-148dBm	-148dBm	-148dBm	-148dBm	LNA Gain 18.5 dBm
	Tracking	-165dBm	-165dBm	-165dBm	-165dBm	-165dBm	-165dBm	
Dimensions (mm)		13.8 x 9.5 x 1.8			9 x 9 x 1.8			7 x 7 x 0.9
Packaging		1,000 pcs / Reel						
Typical application		Tracking Devices, PND, OBD2, mHealth						Tracking devices, Sports wearable, Telemetric

		Internal GPS module				External GPS module			
		Active (Ant + RF+LNA)		Active (Ant + RF+LNA)	Passive	G-Mouse (BB+Ant+RF+LNA)	GPS Active Ant. (Ant + RF+LNA)	GPS Passive Ant.	
									
Part No.		AP.10F	AP.12F	IGPSB	IGPSB-1	GT-902P(M)GG	ATGG4336(M)		TS.07 / TG.80
GPS Chipset / Ant. size		MHF RF0.81 39mm	MHF RF1.13 45mm	MHF RF1.13 100mm	MHF RF1.13 100mm	U-Blox UBX-M8030-KT	25 x 25 x 4mm Antenna		72 +/- 1.5mm
Frequency (MHz)		1575.42Mhz	1575.42Mhz	1575.42Mhz		1575.42 / 1609.3	1575.42 / 1609.3		1575.42 / 1609.3 // GNSS+LTE
A-GPS						Assist Now on-line and off-line	Polarization : RHCP		
Power Consumption	Acquisition	LNA Gain 25 dBi	LNA 28 dBi	LNA 28 dBi		50mA			
	Tracking	RHCP polarization				45mA	LNA		
	Standby					650uA	3.3 +/- 0.3V		
Input Voltage		1.8V/3V/5.5V				2.8~5.5V / 3.3V typ.	12 +/- 2mA at 3.0V		
Input Backup Battery						2.8~3.6V			
Baud Rate (bps)						9600	Material		
Data Output						NMEA 0183	RG174 cable		
Sensitivity	Cold Start					-147dBm	3M / 5M		
	Tracking					-161dBm	Adhesive: 3M		
Dimensions (mm)		10 x 10 x 6mm	13.4 x 13.4 x 6mm	25 x 25 x 9mm		45 x 38 x 14.3	43 x 36 x 13.5		
IO Interface						4 pin 2.5/3.5mm Ear-Jack			
Voltage Level						UART (TTL level)	Waterproof: IP67		
Operating Temperature		-40 ~ +85 °C	-40 ~ +85 °C			-40 ~ +85 °C	-40 ~ +85 °C		-40 ~ +85 °C

<div>GPS L1: 1575.42Mhz (5m) L2: 1227.6Mhz (1m) L5: 1176.45Mhz (30Cm)</div> <div>GLONASS L1: 1602Mhz L2: 1246Mhz L3: 1202.025Mhz</div>		Internal (Precision)				External (Precision)			
		SMD Passive		MHF Passive	MHF Active	Terminal	Active		Gmous
					(Ant + SAW+LNA)	RTK	(Ant + SAW+LNA)		G-Mouse (BB+Ant+RF+LNA)
									
Part No.		SR4G053	GGSFTP.50.7	AGPSF.36C.07	ATIGGBL2L5 2580	CHX602A	AA.200.151111	ATGGBL2L5 4138	GT902P(M)GG
GPS Chipset		L2 / L5 GLONASS	L2 GLONASS	Stacked L2	L2 / L5 GLONASS	L1/L2/L5 L-Band	L2 / L5 GLONASS		U-Blox UBX-M8030-KT
Frequency (MHz)		1176Mhz / 1227Mhz 1575.42~1602Mhz	1227.6Mhz 1575.42~1602Mhz	1227.6Mhz 1575.42Mhz	1176Mhz / 1227Mhz 1575.42~1602Mhz				1575.42 / 1609.3
A-GPS / Polarization		Linear / RHCP	RHCP	RHCP	RHCP	RHCP	RHCP		Assist Now on-line and off-line
Power Consumption	Acquisition	2.3dBi / 2.2dBi	2.6dBi / 4.6dBi	2.73 dBi / 3.57dBi	-3.0 / 0dBi 0.5 / 1.5dBi	2dBi	-0.9 ~ 2.9dBi	-3.5 ~ 1dBi	50mA
	Tracking	-0.9dBi / -1.5dBi	-2.1dBi / -1.1dBi		26~30dB typ.	33+/-2dB	24.8~26.2 dBi	25.5~28.5 dB typ.	
	Standby			16mA	10mA typ. 15mA Max.	<55mA	17.86~17.93 mA	10mA typ. 15mA Max.	
Input Voltage				1.8V / 3V typ. / 5.5V	3.0V / 3.3V / 5.0 V	3.3~12VDC	1.8V / 3V / 5.5Vtyp.	2.7V / 3.3V / 5.0V	2.8~5.5V / 3.3V typ.
Input Backup Battery									2.8~3.6V
Baud Rate (bps)									9600
Data Output									NMEA 0183
Sensitivity Efficiency	Cold Start	75% / 65% 38% / 33%	61% / 77%	64.16% / 68.74%			33.3% ~ 60.4%		26 sec / -147dBm
	Tracking	0.2g	36.2g	32g		95g	160g		-161dBm
Dimensions (mm)		16 x 8 x 1.6 mm	50 x 50 x 7mm	35 x 35 x 11.1mm	25 x 25 x 4 mm	25 x 107mm	63.2 x 67.2 x 26.5	38 x 41 x 16.3mm	45 x 38 x 14.3
IO Interface		SMD	SMD	MHF RF 1.37 100mm	MHF RF1.13 100mm	SMA W.P: IP65	SMA RG-174 1.5m Magnetic mount	SMA RG-174 3m Magnetic mount	4pin 2.5/3.5mm Earphone Jack
Voltage Level						Surveying, Drone	W.P: IP67	W.P: IP67	UART (TTL level)
Operating Temperature		-40 ~ +85 °C	-40 ~ +95 °C	-40 ~ +85 °C	-40 ~ +85 °C	-40 ~ +80 °C	-40 ~ +85 °C	-40 ~ +85 °C	-40 ~ +85 °C

Standard External Antenna [®]						
						
Product Name	TFD	TFF	TEC / TEH	TEB / TED	MSA	TEA / TEA1
Part No.	SYHA-xxxTFD	SYHA-xxxTFF	SYHA-xxxTEC/TEH	SYHA-xxxTEB/TED	SYHA-xxxMSA	SYHA-xxxTEA/TEA1
Frequency	2.4Ghz / 5Ghz, 868Mhz/ 915Mhz, 850Mhz, 900Mhz, 1800Mhz, 1900Mhz, 2100Mhz, 433Mhz					
Dimensions (mm)	~160mm / ~260mm	~100~120mm	~80mm	~50mm	~190mm	~30mm
Gain (dBi) Peak	5dBi / 7dBi	2~3dBi	2~3dBi	2~3dBi	5dBi	2dBi
Description					Magnetic	

	IP Level + Anti UV		Standard Accessory [®]				
							
Product Name	NITIDA-IP		SMA PCB Mount (Straight)	SMA PCB Mount (Right Angle)	PCB Edge Launch	SMA to U.FL	MHF1 / U.FL Receptacle
Part No.	SER3W084-S9P-IP	F51-N		HSC-A300	SMA-PCB-xxT	RF1.13 / RG178 (1.8T) / RG316 (2.4T)	U.FL-R-SMT-1
Option	2.4Ghz~7.125Ghz	2.4Ghz / 5Ghz			0.8T, 1.0T, 1.2T, 1.6T		
Gain	3.1 / 5.2 / 5dBi	4dBi / 7dBi					
Dimensions (mm)	123.7x12.7mm	187 x 22mm				50, 100, 150mm	
Description	IP67 / PC+PBT	IP67 / ABS/PC					
Connector	SMA(M)	N(M) / SMA(M)	SMA Female	SMA Female	SMA Female	SMA Female	

		WLAN WiFi 6E / BT / ISM / GNSS							
		WLAN		ISM	GNSS				
									
Product Name		AULIN	ADARA 1 / 2	MIRA	DRACONIS	LODESTAR	Precision L2,L5	MIMOSA	TABIT
Part No.		PC-0W01	PC-1W11	KC-0W08	KC-2M10	PC-0G02	PC-1G12	KC-2G19	KC-3G22
Frequency		2400~2500Mhz	2400~2500Mhz 5150~5850Mhz 5925~7125Mhz (WiFi 6E)	2.4Ghz / 5Ghz / 6Ghz (WiFi 6E)	863~870Mhz / 902~928Mhz	1559~1609	1164~1300 1159~1609	1559~1609	1164~1300 1159~1610 precision L2,L5 Full
Dimensions (mm)		5 x 4 x 0.9mm	9 x 5.8 x 1.1mm	30 x 6 x 0.2mm	33 x 8 x 0.2mm	6 x 5 x 0.9mm	25 x 10 x 1.0mm	30 x 12 x 0.20mm	59 x 28 x 0.20mm
Gain (dBi)	Peak	1.65	0.8 / 2.48 / 2.82	3.4 / 4.2 / 4.85	1.4 / 0.76	0.5	2.88 / 2.49	2.79	>3.5
	Effi.	>60	>48 / >50 / >55	>70 / >60 / >70	>75 / >65	>60	>85 / >80	>70	>75
		4G LTE / NB-IoT , Cat.M1 (B5,B3) , Cat 4(B12) / 5G / UWB							
		NB-IoT	4G		5G		UWB		
									
Product Name		ELECTRA	ARRAKIS	EARENDEL	CAPH	ALCOR	ALUDRA	LUPI	TITAN
Part No.		KC-2C04	PC-1L12 / 13	KC-2L28	KC-3L30	PC-2L22	KC-3L31	KC-2U05	WN-1L17
Frequency		824~960Mhz 1710~2200Mhz	698~960Mhz 1710~2200Mhz 2300~2400Mhz 2500~2690Mhz	617~960Mhz 1427~1660Mhz 1710~2200Mhz 2300~2400Mhz 2490~2690Mhz	698~960Mhz 1525~1660Mhz 1710~2200Mhz 2300~2400Mhz 2490~2690Mhz	617~960Mhz 1427~1518Mhz 1710~2200Mhz 2300~2400Mhz 2490~2690Mhz 3300~4200Mhz 4400~5000Mhz 5000~6000Mhz	617~960Mhz 1525~1600Mhz 1710~2200Mhz 2300~2400Mhz 2490~2690Mhz 3300~4200Mhz	3Ghz~5.325Ghz (4G/NB-IoT B1 ~ B4) 5.99Ghz~10.5Ghz (4G/NB-IoT B5 ~ B11)	617~960Mhz 1427~1660Mhz 1710~2690Mhz 3300~4200Mhz 4400~5000Mhz 5150~7150Mhz
Dimensions (mm)		28 x 15 x 0.2mm	30 x 7 x 3.3mm	50 x 8.5 x 0.2mm	30 x 15 x 0.2mm	40 x 10 x 1.6mm	44 x 15 x 0.2mm	14 x 13 x 0.2mm	135.5 x 21.3 x Φ13mm
Gain (dBi)	Peak	2.03 / 3.83	2.2 / 3.2 / 3.15 / 3.15	4.6 / 3.6 / 3.2 / 1.7 / 1.0	4.5 / 3.1 / 4.5 / 4.2 / 3.5	2.05 / 0.0 / 3.49 / 3.77 / 3.99 / 5.22 / 3.26 / 1.7	4.2 / 4.7 / 4.4 / 4.8 / 4.6 / 5.3	4.3 / 5.5	0.8 / 2.4 / 2.4 / 2.45 / 2.4 / 2.65
	Effi	>65 / >70	>60 / >65 / >55 / >60	>60 / >70 / >55 / >65 / >50	>55 / >60 / >75 / >75 / >60	>55 / >40 / >65 / >60 / >55 / >50 / >45 / >40	>55 / >65 / >65 / >75 / >75 / >70	>60 / >65	>45 / >60 / >60 / >60 / 55 / >50