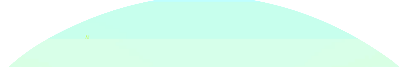
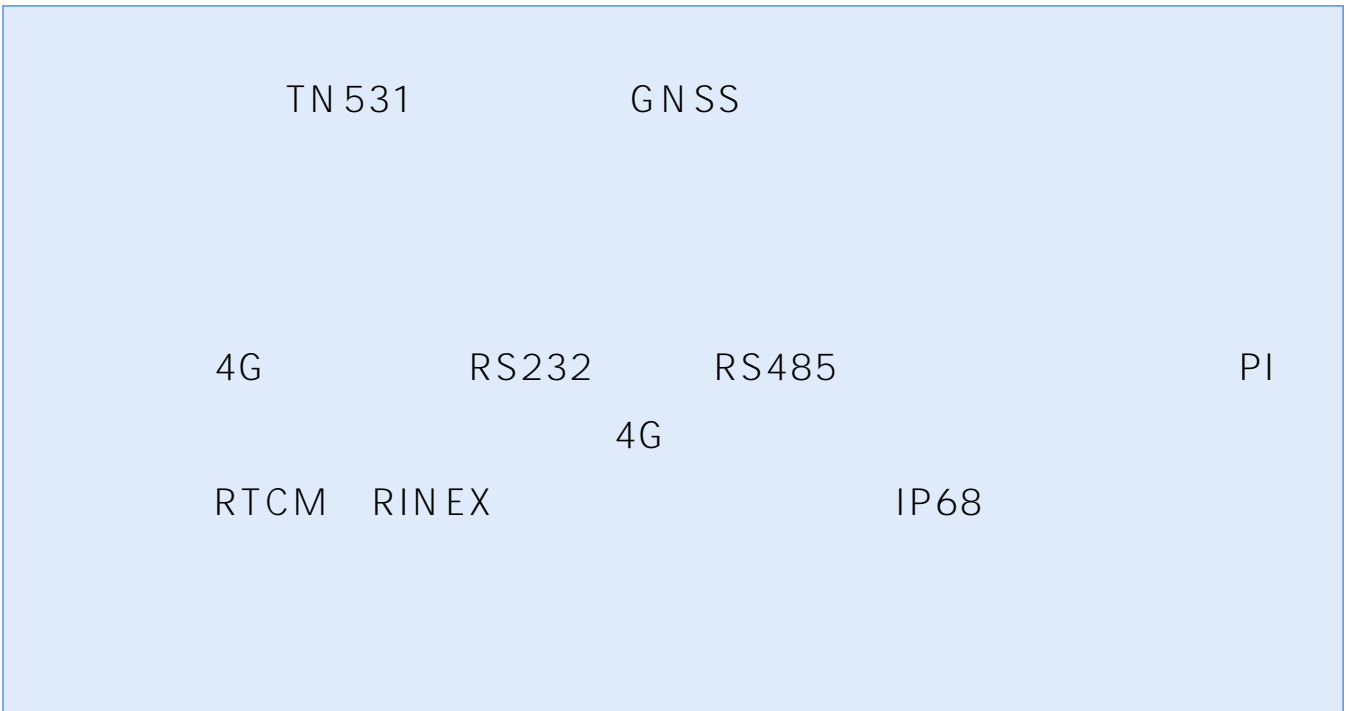


GNSS --- TN531



TN531

GNSS





<ul style="list-style-type: none"> <li>■ 100%</li> <li>■ EMC</li> <li>■ 3</li> <li>■ IP68</li> </ul>	<ul style="list-style-type: none"> <li>■</li> <li>■</li> </ul>	<ul style="list-style-type: none"> <li>■ 1*RS232</li> <li>■ 1*RS4851*PIADC</li> </ul>
MEMS		
<ul style="list-style-type: none"> <li>■</li> <li>■</li> </ul>	<ul style="list-style-type: none"> <li>■ 6</li> </ul>	<ul style="list-style-type: none"> <li>■ GPS L1C/A &amp; L5 BDS B1I/B1C &amp; B2a GAL E1 &amp; E5a</li> </ul>
<ul style="list-style-type: none"> <li>■ 32G</li> </ul>	<ul style="list-style-type: none"> <li>■ SIM</li> <li>■ SIM</li> </ul>	<ul style="list-style-type: none"> <li>■</li> </ul>



## GNSS

- : GPS L1C/A & L5 BDS B1I/B1C & B2a GAL E1 & E5a
- :
- $\pm(2.5+ 1 \times 10^{-6} \times D)$  mm  $\pm(5+ 1 \times 10^{-6} \times D)$  mm

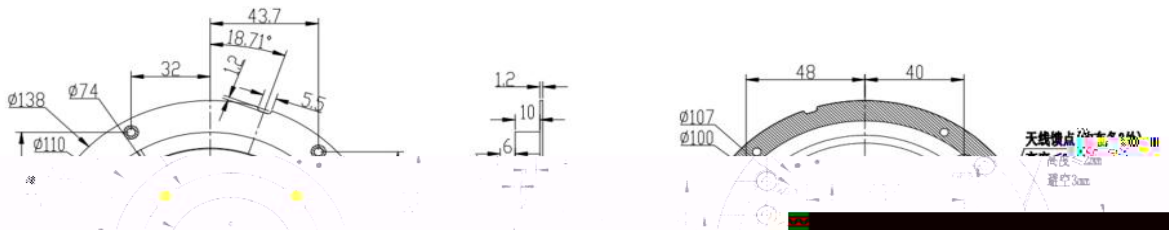
■ GNSS :

■ :

■ :

GNSS 4G 4G

■ :





# MEMS





	2 RS232 (1 debug ) 1 RS485 15KV ESD 5 6 7 8 1 1.5 2 SPACE MARK 110~230400bps
	PWR SYS ONLINE GPS
SIM/UI M	1.8V/3V SIM/UIM 15KV ESD
	/
	2
	1 1A 12V
	1 2V
TF	32GB



	35~ +75°C		-	5 +85°C	
	95% ± 3%				
				12V 145ma	
			/		
		3		30A /m	
		3		30A /m	
		3		100A /m	
		3	80MHz~1000MHz	10V /m	
	3				



GNSS		GPS: L1 L2 BeiDou: B1 B2 B3/
		$\pm 2.5\text{mm} + 1 \cdot 10^{-6}D$ RMS $\pm 5\text{mm} + 1 \cdot 10^{-6}D$ RMS
		$\pm 8\text{mm} + 1 \cdot 10^{-6}D$ RMS $\pm 15\text{mm} + 1 \cdot 10^{-6}D$ RMS
		RTCM32
		GNSS 4G
	GNSS	EMC
		10S MAX 1Hz
		9600bps 115200bps
		1*RS232 1*RS485 1*SIM 1*PI
		NMEA-0183
		RTCM3.0/3.1
		TCP/IP MQTT/OSS
		SD
	MEMS	MEMS 3
		4G
		0s 24h
		0s 72h

		+ 9V ~ + 35V DC
		< 2W                      15s                      15s
		-35                      + 75
		-45                      + 85
		IP68
		95%
		MTBF                      30000
		EMC                      3
		NTP                      RTC
		SIM/UIM                      15KV ESD
	× 4	4G