



C23S-EL20 Specification

APFRYF-004-A

Items		Uplink	Downlink
Frequency Range	EGSM	880 ~ 915 MHz	925 ~ 960 MHz
	LTE20	832~ 862 MHz	791 ~ 821 MHz
Bandwidth	EGSM	35 MHz	35 MHz
	LTE20	30 MHz	30 MHz
Gain	EGSM	73±2 dB	73±2 dB
	LTE20	73±2 dB	73±2 dB
Ripple in Band	EGSM	≤15 dB	≤15 dB
	LTE20	≤15 dB	≤15 dB
VSWR	EGSM	≤2	≤2
	LTE20	≤2	≤2
Output Power	EGSM	23±2 dBm	23±2 dBm
	LTE20	23±2 dBm	23±2 dBm
ALC Active 10 dB	EGSM	Δ ≤2 dB	Δ ≤2 dB
	LTE20	Δ ≤2 dB	Δ ≤2 dB
Intermodulation Products	EGSM	≤-36 dBc	≤-36 dBc
	LTE20	≤-36 dBc	≤-36 dBc
Spurious Emission	9KHz~1GHz	≤-36 dBm	≤-36 dBm
	1GHz~12.75GHz	≤-30 dBm	≤-30 dBm
ATT(EGSM) step of 1 dB	1~10 dB	Δ ≤1 dB	Δ ≤1 dB
	10~20 dB	Δ ≤1 dB	Δ ≤1 dB
	20~25 dB	Δ ≤1.5 dB	Δ ≤1.5 dB
ATT(LTE20) step of 1 dB	1~10 dB	Δ ≤1 dB	Δ ≤1 dB
	10~20 dB	Δ ≤1 dB	Δ ≤1 dB
	20~25 dB	Δ ≤1.5 dB	Δ ≤1.5 dB
Noise Figure @ max. gain	EGSM	≤10 dB	≤10 dB
	LTE20	≤10 dB	≤10 dB
Time delay	EGSM	≤0.5 μs	≤0.5 μs
	LTE20	≤0.5 μs	≤0.5 μs
Environment Conditions	IP40		
Power Supply	DC: +12V		
Power Consumption	< 20W		
RF Connector	N-Female		
Humidity	< 90%		
Operating Temperature	-10℃ ~ +55℃		

Remark: with 268 Aluminium Alloy Case