

**Technical Features:**

- 1) High system gains.
- 2) Full duplex and double-end design, external power supply, and convenient installation.
- 3) ALC technology with auto-steady function adopted.
- 4) Provide power indication and uplink and downlink indications.
- 5) With the amplified linear power, the intermodulation and spuriousness are suppressed effectively.
- 6) The reliability conforms to GB6993-86 standards.
- 7) The electromagnetic compatibility conforms to ETS300 609-4 standards.



**GSM850(CDMA800)/GSM1900Mhz Dual Band Signal Booster**

Model#		TE-8019A	TE-8019B	TE-8019C
Frequency range		Uplink GSM 824-849MHz/1850-1910MHz		
		Downlink GSM 869-894MHz/1930-1990MHz		
Gain (dB)	GSM Uplink	Gp≥55	Gp≥65	Gp≥45
	GSM Downlink	Gp≥60	Gp≥80	Gp≥60
	PCS Uplink	Gp≥50	Gp≥55	Gp≥45
	PCS Downlink	Gp≥55	Gp≥70	Gp≥60
Gain adjustable range		MGC≥30dB		
Output power(dBm)		≥20	≥23	≥17
Pass band ripple		GSM ≤4dB		
		PCS ≤15dB		
Guard band rejection		GSM (BW-60dB)≤42 MHz (BW-70dB)≤45 MHz		
		PCS (BW-60dB)≤104MHz (BW-70dB)≤107 MHz		
I/O impedance		50Ω/N Connector		
I/O return loss		≤-10dB		
Noise figure		≤-8dB		
Intermodulation attenuation (Po=13dBm)		≤-40dBc		
Transmission Delay		≤0.5μs		
Ambient temperature		-10℃~50℃		
Power supply		AC110~220V±10% 45~55Hz		
Size		148mm×106mm×33mm		
Reliability		To the GB6993-86 standard		
Electromagnetic compatibility		To the ETS300 694-4 standard		
Function		a) Power supply LED denote b) Export power LED denote		