

BGY588C BGE788C

2 new members in the C family Protect your TV Networks

BGY588C and BGE788C are integrated CATV push-pull amplifier modules, special design for Chinese HFC network. These 2 products suit perfectly the "All Villages connected" in the HFC Network applications.



Key benefits

- Excellent reliability and stability as the current versions.
- Transparent top cap, clearly see the excellent inside looking.
- Improve the reliability of network in villages.

Key Feature

- High Power Gain
- Excellent linearity
- Extremely low noise
- Silicon Nitride passivation
- Rugged construction
- TiPtAu metalized crystals ensure optimal reliability

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Compared to the BGY588N and BGE788 current versions, the biggest Similarities are that the BGY588C and the BGE788C have the same linearity, the same reliability and the same stability.

One big difference is the Philips "See Through" transparent cap instead of the previous green top cap, so we can clearly see and experience the Philips technology, ruggedness, reliability and stability.

At the same time, we reasonably skip or relax some parameters that matter less for Chinese Village CATV connections but still keep important specifications such as the CTB & the CSO.

So we can simplify the processing flow and provide a much better price/performance ratio.



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Parameters	BGE788C		BGY588C	
	Min	Max	Min	Max
Power Gain (Gp)	33.2 dB	33.5 dB	33.5 dB	33.7 dB
Slope cable equivalent (SL)	0.3 dB	2.3 dB	0.2 dB	1.7 dB
Composite triple beat (CTB)	-	- 49 dB	-	57 dB
composite second order distortion (CSO)	-	- 52 dB	-	- 62 dB
Noise @ f = 50 MHz	-	8 dB	-	8 dB
Total current consumption (Itot)	285 mA	325 mA	305 mA	345 mA
Frequency range	40 MHz to 750 MHz		40 MHz to 550 MHz	

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Philips Semiconductors is a worldwide company with over 100 sales offices in more than 50 countries. For a complete up-to-date list of our sales offices please e-mail sales.addresses@www.semiconductors.philips.com. A complete list will be sent to you automatically. You can also visit our website <http://www.semiconductors.philips.com/sales>.

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