

## BGY888sc

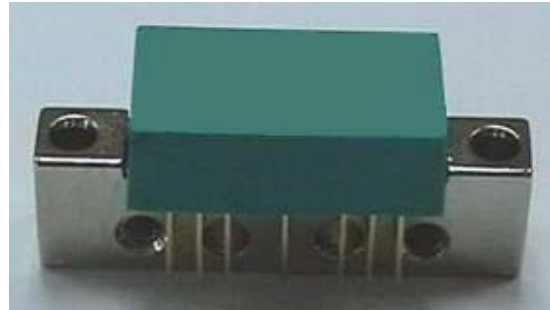
**860MHz 34dB Gain push-pull Amplifier Module**

**BGY888sc**

**860MHz 34dB**

### Product Features

- Power Gain 34 dB
- Low price
- Excellent Linear Gain
- High Reliability
- Industry Compatible Package



### Product Description 888

888 is a module designed and integrated with Si RF audion; It is suitable to use in users' power amplifier and extending power amplifier; Configuration package is SOT115J □ Operating frequency range is 40-860 MHz □ Voltage supply is 24V. This product is a push-pull power amplifier module.

BGY 888sc RF CATV SOT115J □ 40-860 MHz 4V□

### Technology Specification (Bandwidth 40 to 860 MHz;T<sub>CASE</sub> □ 25□,V<sub>DD</sub> □24V,ZS□ZL□75Ω)

Item No.: CF834						
Symbol	Parameter	Unit	Min.	TYP	Max.	Condition
BW	Frequency Range	MHZ	40	-	860	
GA	Gain	dB	33.5	34	35.0	f = 860MHz
S	Gain Slope	dB	0.5	-	1.5	f = 40 to 860 MHz
Gf	Gain Flatness	dB	-	-	±0.5	f = 40 to 860 MHz
S11	Input Return Loss	dB		16	-	f = 40 to 160MHz
		dB		-	-	f = 160 to 320 MHz
		dB		-	-	f = 320 to 860 MHz
S22	Output Return Loss	dB		14	-	f = 40 to 160MHz
				-	-	f = 160 to 320 MHz
				-	-	f = 320 to 860 MHz
CTB	Composite Triple Beat,59 Channels	dB	-	-56	-	
CSO	Composite Triple Beat,59 Channels	dB	-	-55	-	
Xmod	Cross Modulation,59 Channels	dB	-	-	-	
I <sub>tot</sub>	Total Current Consumption	mA	-	200	-	DC value; V <sub>B</sub> = +24V
NF	Noise Figure	dB	-	-	7	f = 860 MHz
V <sub>0</sub>	Output Voltage	dBμV	-	120	-	
TOP	Operating Temperature	□	-20	-	100	
TSTG	Storage Temperature	□	-30	-	100	