



LSG Communication AB Nordanås 222 89192  
 Örnsköldsvik. Tel:0705757916 E-post: info@lsg.se

### IQ-G15/20/23 Series Band Selective Repeater

Electrical specification		Uplink	Downlink
Frequency Range	GSM900&EGSM	880~915MHz	925~960MHz
Bandwidth	Fixed bandwidth 5/10MHz, the central frequency is adjustable by software among the whole GSM900 35MHz		
Max .Output Power	IQ-E15-S	≥12dBm	≥15dBm
	IQ-E20-S	≥15dBm	≥20dBm
	IQ-E23-S	≥15dBm	≥23dBm
Max .Gain	IQ-E15-S	≥65dB	≥70dB
	IQ-E20-S	≥70dB	≥70dB
	IQ-E23-S	≥70dB	≥75dB
Maximum Input Power	≥0dBm		
MGC (Step Attenuation)	31dB / 1dB step		
Automatic Level Control	≥ 20dB		
Passband Ripple	≤4dB		
Out of Band Gain	±400KHz	<50dB	
	±600KHz	<40dB	
	±1MHz	<35dB	
	±5MHz	<25dB	
Intermodulation Products	9KHz~1GHz	≅ -36dBm	
	1GHz~12.75GHz	≅ -30dBm	
Spurious Emission	9KHz~1GHz	≅ -36dBm	
	1GHz~12.75GHz	≅ -30dBm	
Noise Figure	≤6dB		
V.S.W.R	≤ 2.0		
Group Delay	≤ 5μs		
Power Consumption	≤10W		
Cooling	Heatsink Convection cooling		
<b>LED Alarm</b>	<b>Standard</b>		
Power LED	Green @ Normal work		
ALC LED	Orange @ ALC 1~5dB, Red @ ALC 20dB~25dB		
<b>Mechanical Specifications</b>	<b>Standard</b>		
I/O Port	N-Female		
Impedance	50 ohm		
Operating Temperature	-10℃~+55℃		
Environment Conditions	IP40		
Dimensions	250*125*52mm		
Weight	≤2.5KG		
Power Supply	Input AC100~240V,output DC9V / 3A		