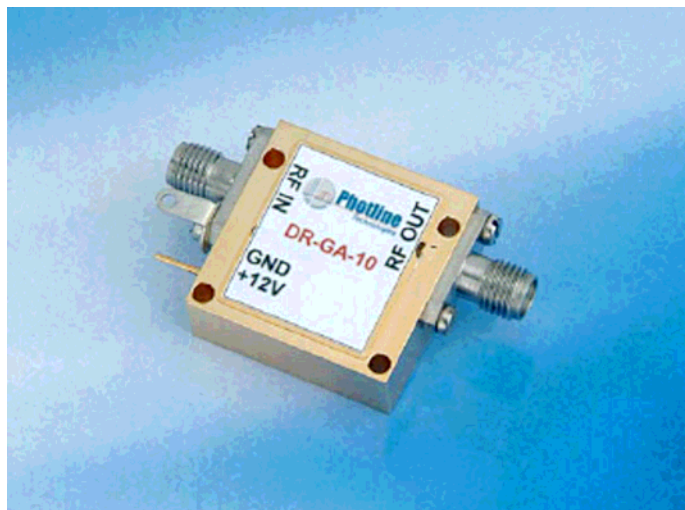


## Broadband Driver Modules for LiNb03 Modulators

### DR-GA-20



#### Features

- High output power and voltage
- Low jitter, low rise/fall time
- Connect directly to KG'modulators (no need for RF cable)
- Single voltage power supply (+12 V) for ease of use and security of operation
- Gain control input allows 3 dB output power adjustment
- Miniature package

#### Options

- Application optimized versions
- Choice of RF connectors

#### Specifications DR-GA-20

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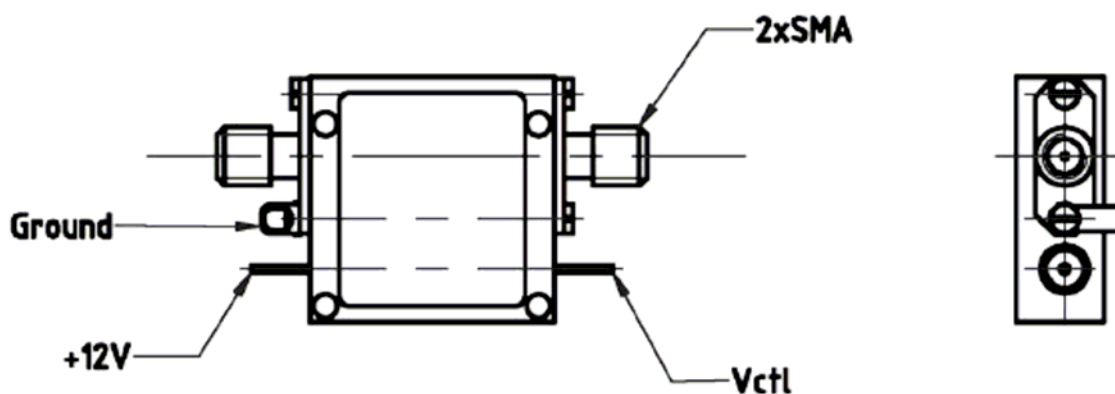
Fax: 010-68470783

网址: [www.conquer-oc.com](http://www.conquer-oc.com)

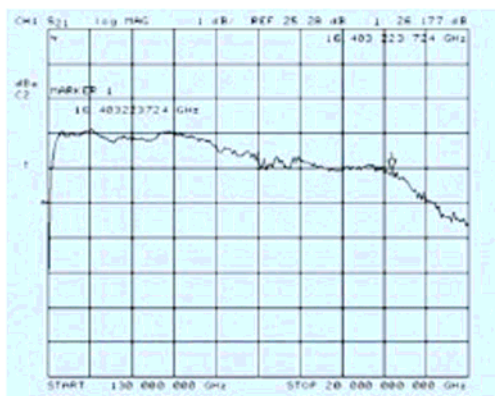
<b>DR-GA-20</b>		Min	Typ	Max.
High cut-off frequency (-3 dB)	GHz	18	20	
Low cut-off frequency (-3 dB)	GHz		0.5	
Input impedance	$\Omega$		50	
Small signal gain	dB	24	25	
Noise figure	dB		5.0	5.5
Maximum input voltage	Vp-p			1.6
Maximum output voltage	Vp-p	6.0	7.0	
Output power @1 dB compression point	dBm		19	20
Input return loss	dB		-10	
Output return loss	dB		-12	
Rise time	ps		25	30
<b>Power requirements – Maximum ratings</b>				
Power supply voltage Vb	V		12	14
Drive current (@Vc = 1.5 V)	mA		300	400
DC power dissipation	W		6.0	
Operating temperature	°C	10	25	40
Storage temperature	°C	-40		85

### Package footprint

		Min	Typ	Max
Dimensions (exclusive of connectors)	mm	25 x 25 x 9		27 x 28 x 9.5



### Typical curves



DR-GA-20 : S21 curve