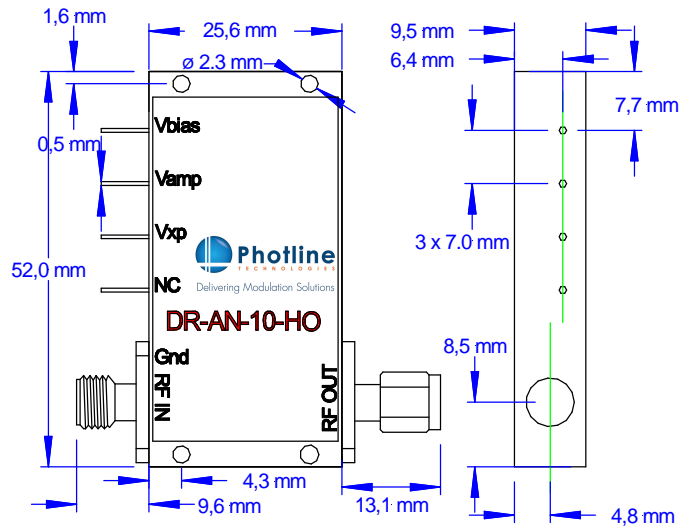
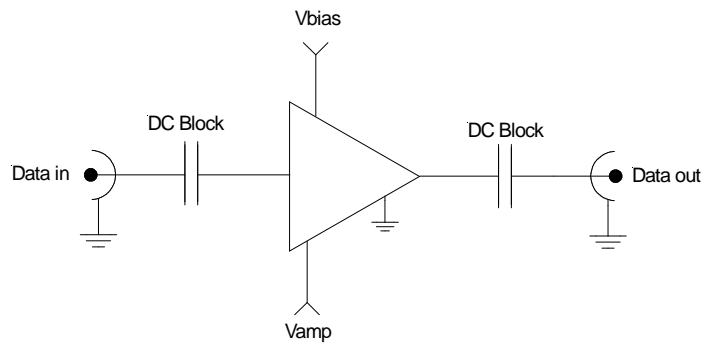


This product is manufactured in France by **PHOTLINE Technologies**.

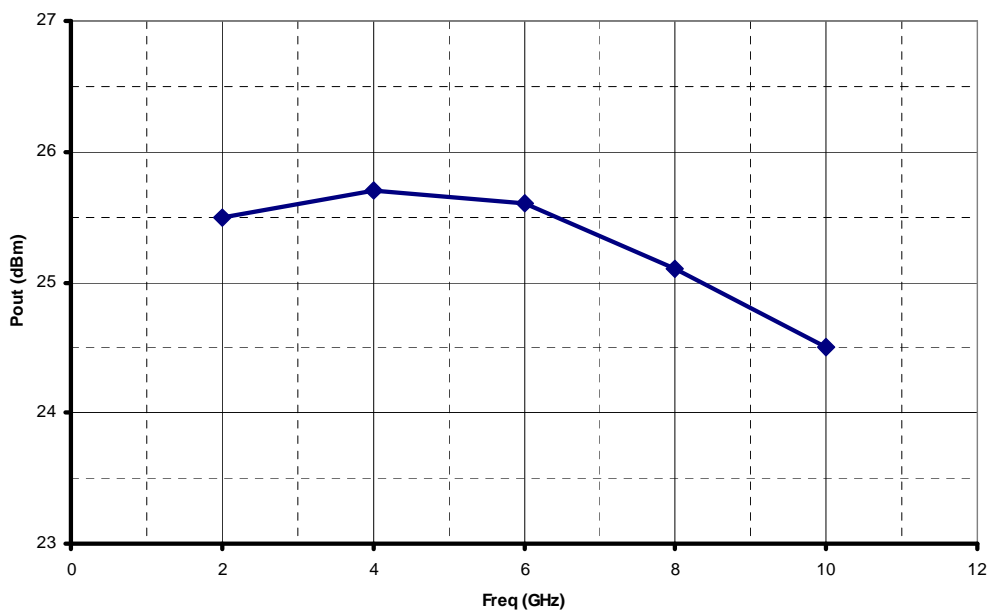
**Description :**

The DR-AN-10-HO is a non-inverting single-ended driver module with high output power for analog application. All specifications given at ambient temperature, unless differently specified

Parameter	Symbol	Unit	Min	Typ	Max	Conditions
Impedance	-	Ohm	-	50	-	-
Low Frequency 3dB Point	f <sub>LOW</sub>	kHz	100	-	-	-
High Frequency 3dB Point	f <sub>HIGH</sub>	GHz	-	11	-	-
Small Signal Gain	S <sub>21</sub>	dB		29		< 10 GHz
Gain Flatness	-	± dB	-	-	1.5	< 10 GHz
Input Return Loss	S <sub>11</sub>	dB		-10		< 10 GHz
Output Return Loss	S <sub>22</sub>	dB	-	-10	-	< 10 GHz
Isolation	S <sub>12</sub>	dB		-60		< 10 GHz
Output Power 1 dB Compression	P <sub>1dB</sub>	dBm	24	25	-	2 – 10 GHz
Saturated Output Power	P <sub>sat</sub>	dBm	-	-	28	2 – 10 GHz
Noise Figure	NF	dB	TBD	-	TBD	2 – 10 GHz
Harmonics	Harm	dBc	-	-	TBD	-
Input Power	P <sub>in</sub>	dBm	-	-	3	-
Driver Supply Voltage	V <sub>bias</sub>	V	11.5	12	13	-
Driver Supply Current	I <sub>bias</sub>	mA	-	520	650	V <sub>amp</sub> = 1.5 V
Output Power Control Voltage	V <sub>amp</sub>	V	0	1.5	2	
Output Power Control Current	I <sub>amp</sub>	mA	0	0	5	V <sub>amp</sub> < 2 V
Input Connector	K Female (Option Male)					
Output Connector	K Male (Option Female)					
Dimensions	-	mm	25.6 x 52 x 9.5			excluding connectors
Storage Temperature	T <sub>st</sub>	° C	-20	-	70	-
Operating Temperature	T <sub>op</sub>	° C	0	25	40	-
Power dissipation	P <sub>diss</sub>	W	-	6.2	9.1	-

**Package outline and pins (all dimensions in mm) :**

**Electrical Schematic Diagram :**

**Output power @ 1 dB Compression vs Frequency (Vbias = 12V, Ibias = 581 mA, Vamp = 1.5V) :**

Pout @ 1 dB Compression



### Input S Parameters Measurements ( $V_{bias} = 12V$ , $I_{bias} = 581\text{ mA}$ , $V_{amp} = 1.5V$ ) :

