

**Datasheet**
**Description**

A general purpose MMIC packaged x2 multiplier in the Ka-band frequency.


**Features**

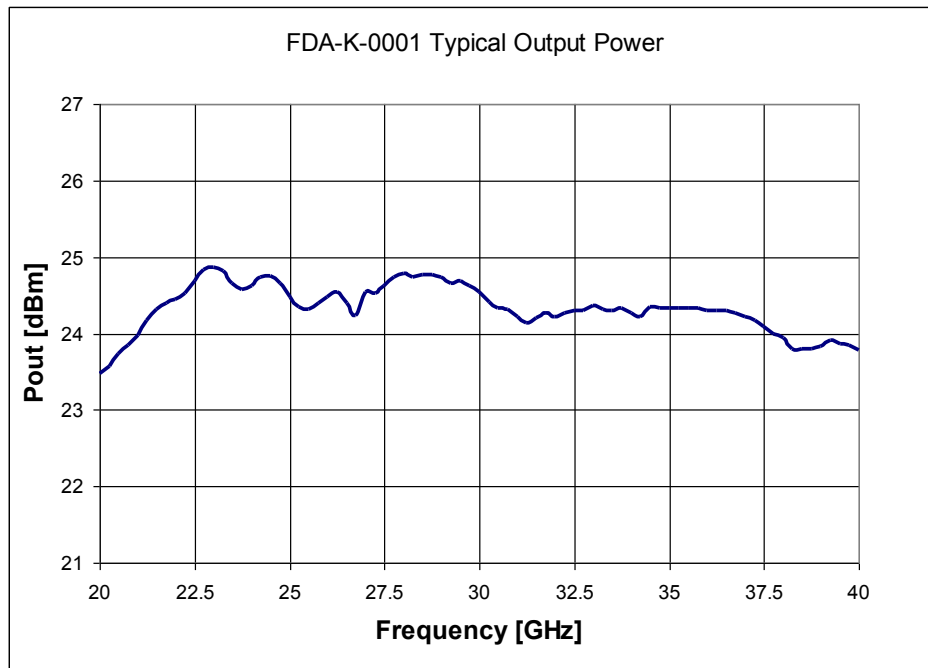
- K type or WR-28 output available
- Wide band coverage
- High output power

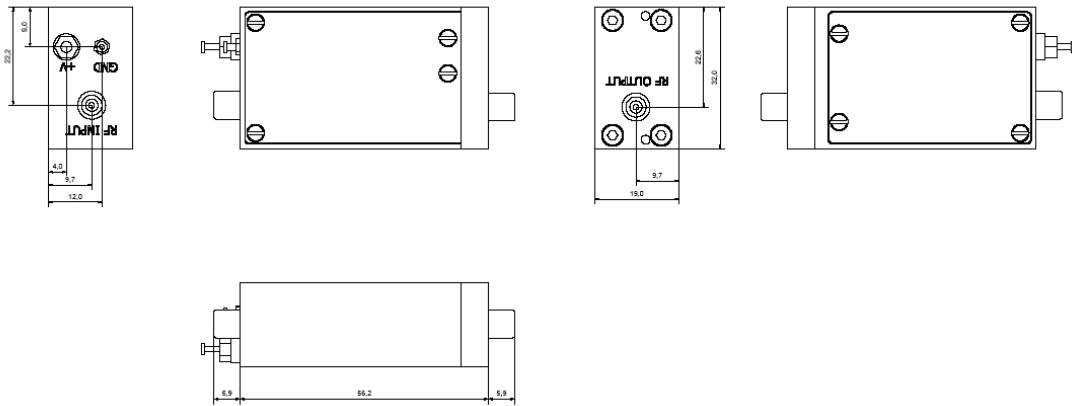
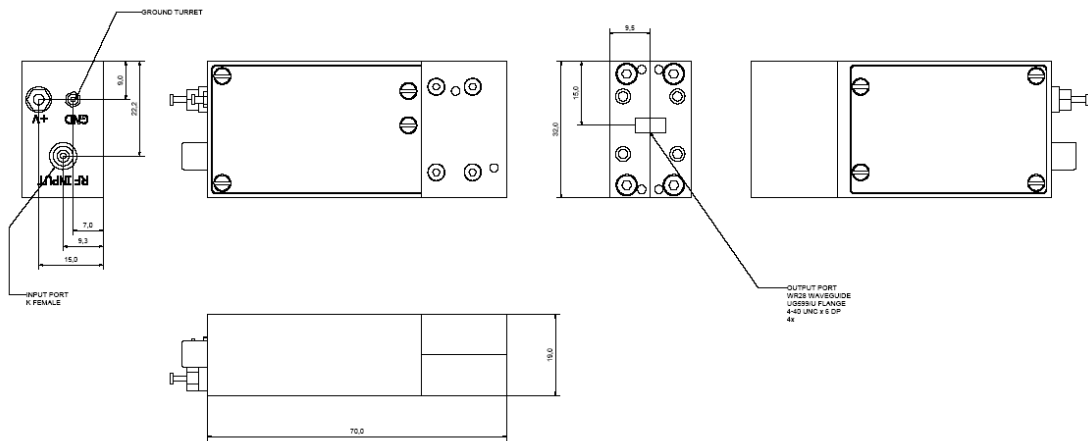
**Applications**

- LO chains
- Radar sources
- Communication sources
- Test equipment

Specification	Unit	Min	Typ	Max
Input Frequency	GHz	10		20
Output Frequency	GHz	20		40
Multiplication Factor	-		2	
Pin	dBm		5	10
Pout	dBm			24
Harmonic Level	dBc		-30	-20
Supply Voltage	V	6		12
Current	mA		900	1100
Input Connector	-	K (F)		
Output Connector	-	K (F) or (optionally WR-28)		

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**Figure 1. FDA-K outline.**

**Figure 2. FDA-28 outline.**
**Notes:**

1. Farran Technology reserves the right to change, without notice, the characteristic data and other specifications applied to this product. The product may be subject to Irish export restrictions.
2. \* Lower Output power available. Please contact Farran Technology directly for more information.
3. \*\* FDA-28 output frequency is limited by the waveguide cut-off at 21.1 GHz