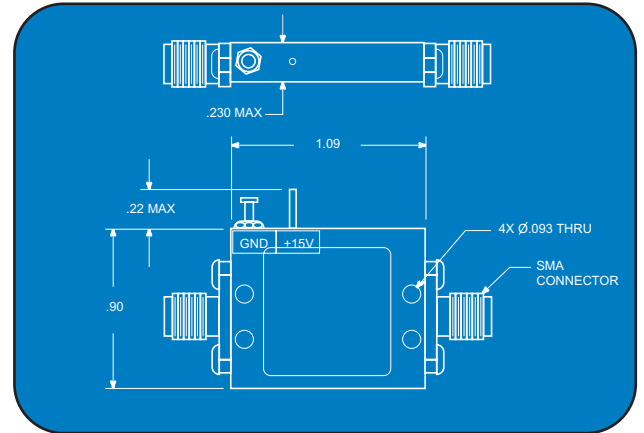


Comb Generators
 Comb Generator, 0.70 - 18 GHz
 Model: COM073



Features:

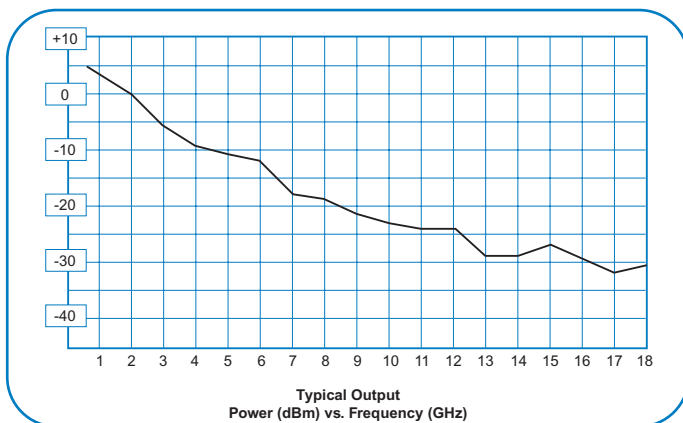
- Small Size: < 0.23 cubic inches
- Removable Connectors
- Low Current: 120 mA, nominal
- Wide Operating Temperature: - 55 to + 85 °C
- Low Residual Noise
- Minimum DC (<2W)
- Bipolar Silicon Power Transistor
- Kovar Housing
- Custom Designs Available



Electrical Specifications	
Input (J1)	Output (J2)
Operating Frequency: 100 MHz	0.70 - 18 GHz
Power Level: (typical) + 12 dBm ± 1.5 dB	+ 5 to - 35 dBm (See Plot)
VSWR:(input & output)	1.5:1, typical
SSB Phase Noise: (dBc/Hz, typical) ^{Note 1}	
Offset	
100 Hz	- 130
1 kHz	- 150
10 kHz	- 165
100 kHz	- 165
Output Spurious:	Input Spurious Level + 20 log N
DC Power:	+ 15 ± 0.4 V @ 120 mA, nominal
Power Consumption:	1.8 W, nominal

Environmental Specifications	
Operating Temperature:	- 55 to + 85 °C, baseplate
Environment:	Ground and Airborne
Mechanical Specifications	
Size (excluding connectors):	1.09 x 0.9 x 0.23 inches 28 x 23 x 6 mm
Weight:	3 oz (85 g), maximum
RF Connectors:	SMA (F) (removable)
DC Connectors:	Pins

Note 1: The output SSB phase noise is referenced to the provided input levels and an output frequency of 700 MHz. Sideband noise levels for other frequencies can be calculated as the sum of input levels, residual noise, and 20 log n enhancement where n is the ratio of output to input frequencies.



Specifications subject to change without notice.