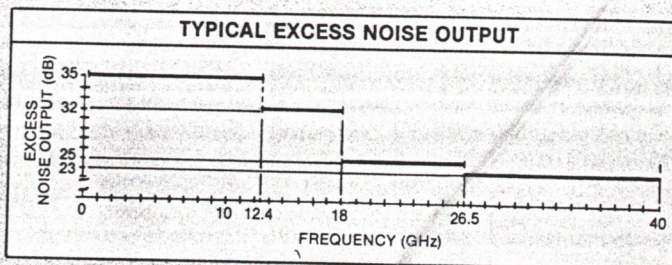
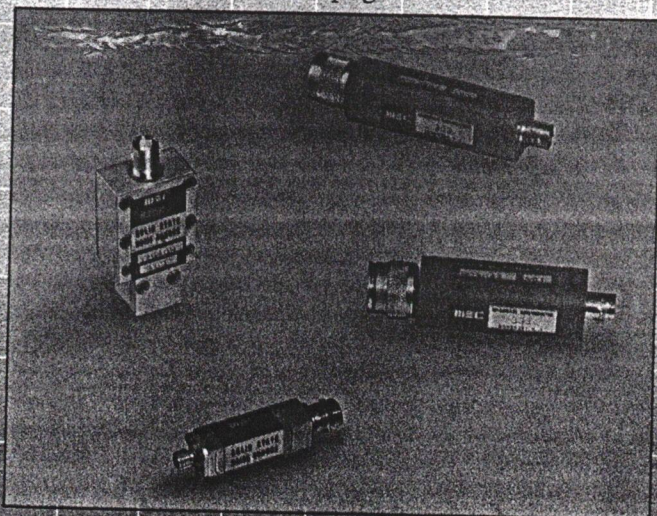


Wideband, mm-wave, high-level... MSC's got a nose for noise.

MSC's Solid State Noise Source product line results from our advanced microwave power semiconductor technology. Hybrid IC construction yields mechanical integrity capable of withstanding the most severe environmental conditions without sacrificing reliability and long-term stability.

Solid State Noise Sources are available with excess noise ratios (ENR) of 15.5 dB as direct replacements for gas discharge tube noise sources. Sources with higher level ENR allow noise to be injected into receiver front-ends via a directional coupler.

System Noise Sources are specifically designed for "BITE" applications for monitoring of parameter changes and system performance. ENR outputs of up to 35dB allow detection of receiver deterioration and developing faults.



WIDEBAND COAXIAL SOURCES 10 TO 18000 (MHz)				
MODEL NUMBER	FREQUENCY RANGE	ENR	FLATNESS	POWER REQ. MAX.
MC 1000	10 - 1500	35.0dB	± 0.50dB	+ 28V, 10mA
MC 1100	10 - 1500	15.5dB	± 0.50dB	+ 28V, 10mA
MC 1040/1040P	10 - 4000	25.5dB/15.5dB	± 0.50dB	+ 28V, 15mA
MC 5112/5112P	1000 - 12400	25.5dB/15.5dB	± 0.50dB	+ 28V, 15mA
MC 5118/5118P	1000 - 18000	25.5dB/15.5dB	± 0.50dB	+ 28V, 15mA
MC 50018/50018P	10 - 18000	25.5dB/15.5dB	± 0.75dB	+ 28V, 15mA

WAVE GUIDE BAND SOURCES (GAS TUBE REPLACEMENTS)				
MC 51218W	12400 - 18000	15.0dB	± 0.50dB	+ 28V, 15mA
MC 51826W	18000 - 26500	25.0dB	± 2.00dB	+ 28V, 20mA
MC 52640W	26500 - 40000	23.0dB	± 3.00dB	+ 28V, 20mA

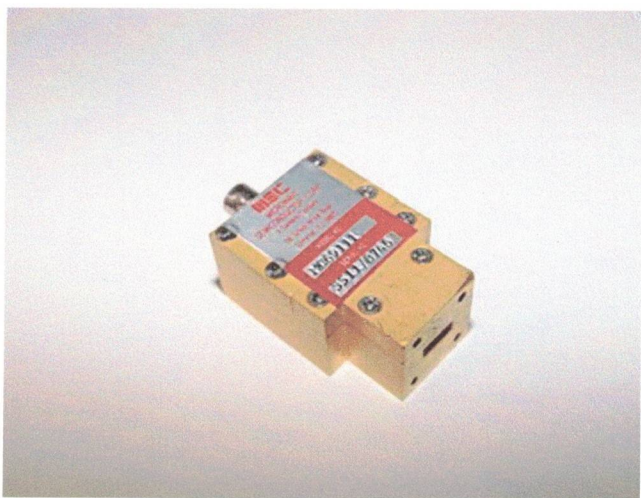
HERMETIC NOISE SOURCES				
MC 7090H	8325 - 9675	35.0dB	± 0.50dB	+ 28V, 15mA
MC 7146H	13500 - 15700	30.0dB	± 0.50dB	+ 28V, 15mA

Microwave Semiconductor Corp.
100 School House Rd., Somerset, N.J. 08873
A Siemens Company
(201) 469-3311 TWX(710) 480-4730 TELEX 833473

MSC

NOISE SOURCES

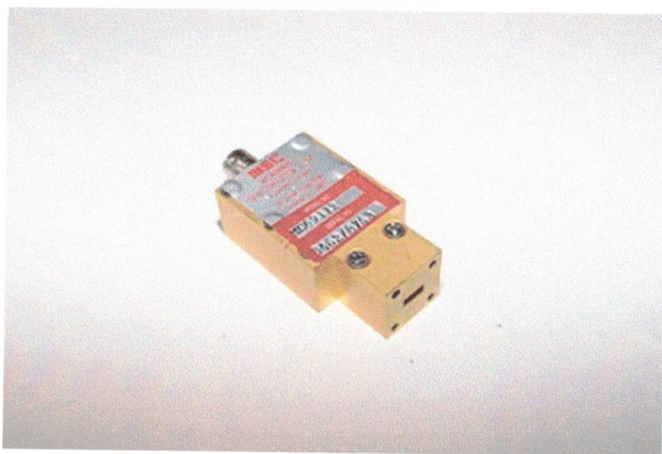
Microwave Semiconductor Corp Mc69111 Wr42 Noise Source



MSC MC69111 WR42 Noise Source to 17-26 GHz.

Use with Sanders 5440C Noise Figure Meter with 22 volt source supply.

Microwave Semiconductor Corp Mc69112 Wr28 Noise Source



MSC MC69112 WR28 Noise Source to 26-40 GHz and useable on 24 and 47 GHz amateur bands. Use with Sanders 5440C Noise Figure Meter with 22 volt source supply.