

OML SOURCE MODULES

SPECIFICATIONS ¹	MODEL						
	S15MS	S12MS	S10MS	S08MS	S06MS	S05MS	S03MS
Frequency In (GHz)	12.5 to 18.8	10.0 to 15.0	12.5 to 18.4	11.2 to 17.5	9.1 to 14.2	11.6 to 18.4	12.2 to 18.1
Frequency Out (GHz)	50.0 to 75.0	60.0 to 90.0	75.0 to 110.0	90.0 to 140.0	110.0 to 170.0	140.0 to 220.0	220.0 to 325.0
RF in (dBm) nom.	+10						
RF out (dBm) typ. ²	+8	+6	+5	-5	-13	-15 ³	-25 ⁴
Higher order output harmonics (dBc) typ. ⁵	<-20						
In-Band Spurious (dBc) typ. ⁶	≤ -20						
RF in VSWR	≤ 1.7						
RF out VSWR	≤ 1.7	≤ 1.7	≤ 1.7	≤ 1.7	≤ 1.7	≤ 1.7	≤ 3.0
RF in interface	SMA female						
RF out interface ⁷	WR-15	WR-12	WR-10	WR-08	WR-06	WR-05	WR-03
Power	+12 VDC @ 1.5 A typ.						
Temperature	+20 to +30°C						
Weight	< 2 lbs						
Size ⁸	2.8" (H) x 4.3" (W) x 5.7" (D)						

¹ Specifications are typical and subject to change without notice

² Not traceable to NIST above 110 GHz. Power output flatness not included.

³ Up to 200 GHz, rolling off to -25 dBm typ. at 220 GHz as measured by OML's calorimeter, measurement power data not traceable

⁴ Output power estimated due to sensitivity limitation of OML's calorimeter, measured power data not traceable or provided

⁵ As relates to the desired output frequencies. Applicable only with Agilent PSG & 8360 series synthesizers and Anritsu MG36xx, 68xxx/69xxx & 67xx series synthesizers.

⁶ In-band mixing products. Typically ≤ -15 dBc in the lower 10% of the WR-15, WR-12 or WR10 waveguide band. Applicable only with Agilent PSG & 8360 series synthesizers and Anritsu MG36xx, 68xxx/69xxx & 67xx series synthesizers.

⁷ RF output port flange configuration per MIL-F-3922-67B-xx

⁸ Height excludes the adjustable rubber feet length and depth dimension excludes the output waveguide length

Order Information ⁹	
S15MS	WR-15 Source Module
S12MS	WR-12 Source Module
S10MS	WR-10 Source Module
S08MS	WR-08 Source Module
S06MS	WR-06 Source Module
S05MS	WR-05 Source Module
S03MS	WR-03 Source Module

⁹ Each source module ordered includes one each of the Standard Accessories listed below (DC power cable)

Standard Accessories	
V00DCBC3	DC power cable, 3 ft, Dual Banana Plug to 7 Pin Circular Bayonet Plug
Optional Accessories	
V00DCBC3	DC power cable, 3 ft, Dual Banana Plug to 7 Pin Circular Bayonet Plug
V00RFLO	RF cable, 1 meter, SMA(m) to SMA(m)

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