

OML SOURCE MODULES WORKING WITH AGILENT HIGH POWER OPTION E82XX SERIES PSG

SPECIFICATIONS ¹	MODEL						
	S15MS-AG	S12MS-AG	S10MS-AG	S08MS-AG	S06MS-AG	S05MS-AG	S03MS-AG
Frequency In (GHz)	12.5 to 18.7	10.0 to 15.0	12.5 to 18.4	11.2 to 17.5	9.1 to 14.1	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)	Supplied by E82xx series PSG with option 1EA (High power)						
RF in, damage level (dBm)	+36						
RF out (dBm) typ. ²	+8	+6	+5	-5	-13	-15 ³	-25 ⁴
Harmonics & Sub-Harmonics (dBc) typ. ⁵	≤ -20						
In-Band Spurious (dBc) typ. ⁶	≤ -20						
RF in VSWR	≤ 2.0						
RF out VSWR	≤ 1.7	≤ 1.7	≤ 1.7	≤ 1.7	≤ 1.7	≤ 1.7	≤ 3.0
RF in port	SMA female						
RF out port ⁷	WR-15	WR-12	WR-10	WR-08	WR-06	WR-05	WR-03
Power	Supplied by E82xx series PSG						
Temperature	+20 to +30°C						
Weight	2.5 lbs typ.						
Size ⁸	2.8" (H) x 4.3" (W) x 5.7" (D)						

¹ Specifications 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

⁶ In-band mixing products. Typically ≤ -15 dBc in the lower 10% of the WR-15, WR-12 or WR10 waveguide band.

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-AG	WR-15 Source Module
S12MS-AG	WR-12 Source Module
S10MS-AG	WR-10 Source Module
S08MS-AG	WR-08 Source Module
S06MS-AG	WR-06 Source Module
S05MS-AG	WR-05 Source Module
S03MS-AG	WR-03 Source Module

⁹ Each source module ordered includes one each of the Standard Accessories listed below (2 m DC power cable and 1 m RF cable)

Standard Accessories	
V00DCDC3	DC power cable, 2 m
V00RFLO	RF cable, SMA(m) to SMA(m), 1 m

OML, Inc.

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