

OML SOURCE MODULES FOR USE WITH ANRITSU MG36xx & 68xxx/69xxx SERIES SYNTHESIZERS WITH OPTION 18

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	Supplied by Anritsu Synthesizer Option 18						
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

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-18	WR-15 Source Module, Option 18 (Anritsu DC power cable)
S12MS-18	WR-12 Source Module, Option 18 (Anritsu DC power cable)
S10MS-18	WR-10 Source Module, Option 18 (Anritsu DC power cable)
S08MS-18	WR-08 Source Module, Option 18 (Anritsu DC power cable)
S06MS-18	WR-06 Source Module, Option 18 (Anritsu DC power cable)
S05MS-18	WR-05 Source Module, Option 18 (Anritsu DC power cable)
S03MS-18	WR-03 Source Module, Option 18 (Anritsu DC power cable)

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

Standard Accessories	
V00DCBC4	DC power cable, 2 m

Optional Accessories	
V00DCBC4	DC power cable, 2 m
V00RFLO	RF cable, SMA(m) to SMA(m), 1 m

OML, Inc.

Morgan Hill, CA 95037