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

SPECIFICATIONS 1 MODEL S15MS S12MS S10MS S05MS S03MS S08MS S06MS 10.0 to Frequency In (GHz) 12.5 to 12.5 to 11.2 to 9.1 to 11.6 to 12.2 to 18.8 15.0 18.4 17.5 14.2 18.4 18.1 Frequency Out (GHz) 50.0 to 60.0 to 75.0 to 90.0 to 110.0 to 140.0 to 220.0 to 75.0 90.0 110.0 140.0 170.0 220.0 325.0 RF in (dBm) nom. +10-15<sup>3</sup> -25 4 RF out (dBm) typ. <sup>2</sup> +8 +6 +5 -5 -13 Higher order output <-20 harmonics (dBc) typ. 5 **In-Band Spurious** < -20 (dBc) typ.° RF in VSWR  $\leq 1.7$ RF out VSWR ≤ 1.7  $\leq 1.7$  $\leq 1.7$  $\leq 1.7$  $\leq 1.7$  $\leq 1.7$  $\leq 3.0$ RF in interface SMA female RF out interface 7 WR-15 WR-12 WR-10 WR-08 WR-06 WR-05 WR-03 Supplied by Anritsu Synthesizer Option 18 Power **Temperature**  $+20 \text{ to } +30^{\circ}\text{C}$ < 2 lbs Weight Size<sup>8</sup> 2.8" (H) x 4.3" (W) x 5.7" (D)

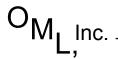
<sup>&</sup>lt;sup>8</sup> Height excludes the adjustable rubber feet length and depth dimension excludes the output waveguide length

Order Information <sup>9</sup>		
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)	

<sup>&</sup>lt;sup>9</sup> 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		



Specifications are typical and subject to change without notice

<sup>&</sup>lt;sup>2</sup> Not traceable to NIST above 110 GHz. Power output flatness not included.

<sup>&</sup>lt;sup>3</sup> Up to 200 GHz, rolling off to –25 dBm typ. at 220 GHz as measured by OML's calorimeter, measurement power data not traceable

<sup>&</sup>lt;sup>4</sup> Output power estimated due to sensitivity limitation of OML's calorimeter, measured power data not traceable or provided

<sup>&</sup>lt;sup>5</sup> As relates to the desired output frequencies

<sup>&</sup>lt;sup>6</sup> In-band mixing products. Typically ≤-15 dBc in the lower 10% of the WR-15, WR-12 or WR10 waveguide band.

<sup>&</sup>lt;sup>7</sup> RF output port flange configuration per MIL-F-3922-67B-xx