



Rudolph Sonus 7800
SN 105
Vintage 2015

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located Nijmegen the Netherlands

Rudolph Technologies has introduced the SONUS Technology for measuring thick films and film stacks used in copper pillar bumps and for detecting defects, such as voids, in through silicon vias (TSVs). Copper pillar bumps are a critical component of many advanced packaging technologies and TSVs provide a means for signals to pass through multiple vertically stacked chips in three dimensional integrated circuits (3DIC). The SONUS Technology is non-contact and non-destructive, and is designed to provide faster, less costly measurements and greater sensitivity to smaller defects than existing alternatives such as X-ray tomography and acoustic microscopy.



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SONUS	
ACOUSTIC METROLOGY AND DEFECT DETECTION SYSTEM	
VOLTAGE RANGE 200-220 VAC	AMPERE RATING OF THE LARGEST MOTOR OR LOAD 7 Amps
NUMBER OF PHASES Single Phase + GND	MCB RATE SHORT CIRCUIT INTERRUPTING CAPACITY Breakers Rated for 10,000 AIC
NUMBER OF WIRES SWS Conductors: (2 + GND) are 5.26 mm ² (40 Amp Rating) 2-wide & 3-wide EFEM Conductors: (2 + GND) are 13.3 mm ² (75 Amp Rating)	AMPERE RATING OF THE OVER CURRENT PROTECTION DEVICE 30 Amps SWS 50 Amps 2-wide & 3-wide EFEM If a facilities ELCB is used it must be rated at a minimum of 100 mA
RATED FREQUENCY RANGE 50/60 Hz	SYSTEM WEIGHT 2400 lbs (1542 kg) SWS 3700 lbs (1905 kg) 2-wide EFEM 4100 lbs (1835 kg) 3-wide EFEM
RATE FULL LOAD CURRENT 9 Amps SWS 10 Amps 2-Wide EFEM 11 Amps 3-Wide EFEM	Conforms to 21CFR1040.10 at date of manufacturing
SCCR RATING: 5 kA	CE Responsible Person European Manager Rudolph Technologies Suite 7, Stuart House Eskmills Business Park Musselburgh EH21 7PB Scotland, U.K. Manufactured by Rudolph Technologies, Inc. 550 Clark Dr Budd Lake, NJ 07828 USA
MAXIMUM PNEUMATIC WORKING PRESSURE 620.5 kPa, 6.2 bar (90 PSI) Usage: 198 LPM (7 SCFM)	Class 1 Laser Product Supply conductor and machine overcurrent protection provided at machine supply terminals
MODEL NUMBER: SONUS 7800	RUDOLPH TECHNOLOGIES
SERIAL NUMBER: SNS105	
MANUFACTURED DATE: JUNE 2015	
SYSTEM WIRING DIAGRAM: 746274	
<small>Customer Support 1 (973) 446-4401 techsupport@rudolphtech.com</small>	

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