CA OCS F KIT
LOAD RESISTORS FOR FAST DAMPED OSCILLATORY WAVE VERIFICATION

The pulse shape of fast damped oscillatory generator designed as per IEC 61000-4-18 have to be verified both into a 0.1ohm and a 1,000ohm load at the 50ohm coaxial HV output as well into 0.1ohm load at the output of the coupling network.

The CA OCCS F kit includes the load resistors and a set of adapters to connect the coaxial matching resistors appropriately to the DUT output port.

HIGHLIGHTS
- Calibration kit as per IEC 61000-4-18
- 0.1ohm load resistor included
- 1,000ohm load resistor included
- Adapters provided to adapt the load resistors to the output of the coupling network for easy measurement

APPLICATION AREAS
- INDUSTRY
- MEDICAL
- BROADCAST
- TELECOM
- RESIDENTIAL
MEASURING EXAMPLE USING THE KW 0R1
Open circuit voltage setting at the OCS 500N6F generator (500ohm output): 2,000V
Resulting output current into the 0.1ohm measuring resistor: 40AV
Measuring voltage Vm: 4.0V
Measured voltage considering the 50ohm input impedance of the oscilloscope: 2.0V
Resulting attenuation (theoretical): 20:1

KW 1000
MEASURING EXAMPLE USING THE KW 1000
Open circuit voltage setting at the OCS 500N6F generator (500ohm output): 2,000V
Resulting output voltage across the 1,000ohm matching resistor: 1,000V
Measuring voltage Vm: 4V
Measured voltage considering the 50ohm input impedance of the oscilloscope: 2V
Resulting attenuation (theoretical): 1,000:1

KW 0R1, 0.1OHM LOAD RESISTOR

<table>
<thead>
<tr>
<th>TECHNICAL DATA FOR KW 0R1</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Input Voltage</strong></td>
</tr>
<tr>
<td><strong>Impedance</strong></td>
</tr>
<tr>
<td><strong>Output</strong></td>
</tr>
<tr>
<td><strong>Divider ratio</strong></td>
</tr>
<tr>
<td><strong>Dimension</strong></td>
</tr>
<tr>
<td><strong>Weight</strong></td>
</tr>
</tbody>
</table>

The divider ratio in a 50ohm system is n = 20

KW 1000, 1KOHM LOAD RESISTOR

<table>
<thead>
<tr>
<th>TECHNICAL DATA FOR KW 1000</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Input Voltage</strong></td>
</tr>
<tr>
<td><strong>Impedance</strong></td>
</tr>
<tr>
<td><strong>Output</strong></td>
</tr>
<tr>
<td><strong>Divider ratio</strong></td>
</tr>
<tr>
<td><strong>Dimension</strong></td>
</tr>
<tr>
<td><strong>Weight</strong></td>
</tr>
</tbody>
</table>

The divider ratio in a 50ohm system is n = 1,000
**TECHNICAL DETAILS**

**OPTIONAL ACCESSORIES**

<table>
<thead>
<tr>
<th>OPTIONS</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>CA MC F</td>
<td>Adapter CA MC F to match KW 0R1 and KW 1000 load resistors to the supply output of the OCS 500N6F</td>
</tr>
</tbody>
</table>
COMPETENCE WHEREVER YOU ARE

www.emtest.com

CONTACT EM TEST DIRECTLY

Switzerland
AMETEK CTS GmbH > Sternenhofstraße 15 > 4153 Reinach > Switzerland
Phone +41 (0)61 204 41 11 > Fax +41 (0)61 204 41 00
Internet: www.ametek-cts.com > E-mail: sales.conducted.cts@ametek.com

Germany
AMETEK CTS Europe GmbH > Customer Care Center EMEA > Lünener Straße 211
> 59174 Kamen > Germany
Phone +49 (0) 2307 26070-0 > Fax +49 (0) 2307 17050
Internet: www.ametek-cts.com > E-mail: info.cts.de@ametek.com

Poland
AMETEK CTS Europe GmbH > Biuro w Polsce > ul. Twarda 44 > 00-831 Warsaw
> Poland
Phone +48 (0) 518 643 12
Internet: www.ametek-cts.com > E-mail: infopolska.cts@ametek.com

USA / Canada
AMETEK CTS US > 52 Mayfield Ave > Edison > NJ 08837 > USA
Phone +1 732 417 0501
Internet: www.ametek-cts.com > E-mail: usasales.cts@ametek.com

P.R. China
AMETEK Commercial Enterprise (Shanhai) Co. Ltd. > Beijing Branch
Western Section, 2nd floor Jing Dong Fang Building (B10) > Chaoyang District
Beijing, China, 100015
Phone +86 10 8526 2111 > Fax +86 (0)10 82 67 62 38
Internet: www.ametek-cts.com > E-mail: chinasales@ametek.com

Republic of Korea
EM TEST Korea Limited > #405 > WooYeon Plaza > #986-8 > YoungDeok-dong
Giheung-gu > Yongin-si > Gyeonggi-do > Korea
Phone +82 (31) 216 8616 > Fax +82 (31) 216 8616
Internet: www.emtest.co.kr > E-mail: sales@emtest.co.kr

Singapore
AMETEK Singapore Pte. Ltd. > No. 43 Changi South Avenue 2 > 04-01 Singapore
48164
Internet: www.ametek-cts.com > E-mail: singaporesales.cts@ametek.com

Great Britain
AMETEK GB > 5 Ashville Way > Molly Millars Lane > Wokingham > Berkshire
RG41 2 PL > Great Britain
Phone +44 845 074 0660
Internet: www.ametek-cts.com

Information about scope of delivery, visual design and technical data correspond with the state of development at time of release. Subject to change without further notice.

www.emtest.com