

**SPECIFICATION FOR CRYSTAL NOTCH FILTER**  
**KFS 70.0-0.1/A3** preliminary specification

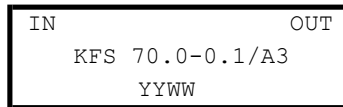
Number: **92xxx**  
Drawing: **71 0073**

**1. Electric values**

**ROHS-Compliant Product**

- |                                                          |                                                         |
|----------------------------------------------------------|---------------------------------------------------------|
| 1.0 Number of poles:                                     | 3                                                       |
| 1.1 Nominal centre frequency f <sub>nom</sub> :          | 70 000 kHz ( 3 OT )                                     |
| 1.2 Bandwidth between 3 dB frequencies:                  | f <sub>nom</sub> +10 kHz ... f <sub>nom</sub> +1010 kHz |
| 1.3 Ripple ( f <sub>nom</sub> +10 kHz ... +1010 kHz)     | < 0,5 dB                                                |
| 1.4 Insertion loss: (at f <sub>nom</sub> +10 kHz)        | < 3,0 dB                                                |
| 1.5 Stop band: f <sub>nom</sub> ± 0,05 kHz:              | ≥ 25 dB                                                 |
| 1.6 Spurious response: (in passband)                     | < 0,2 dB                                                |
| 1.7 Terminating impedance:                               | 50 Ohm // 0 pF                                          |
| 1.8 Return loss: (at f <sub>nom</sub> +10 kHz)           | > 15 dB                                                 |
| 1.9 Maximum input power level ( working / non-damaged ): | -5 / +5 dBm                                             |
| 1.10 Operating temperature range:                        | 0°C ... + 50°C                                          |
| Storage temperature range:                               | -40°C ... + 90°C                                        |
| 1.11 Case:                                               | KA 3 (with SMA female) 61.1 x 26.8 x 27.3 mm            |

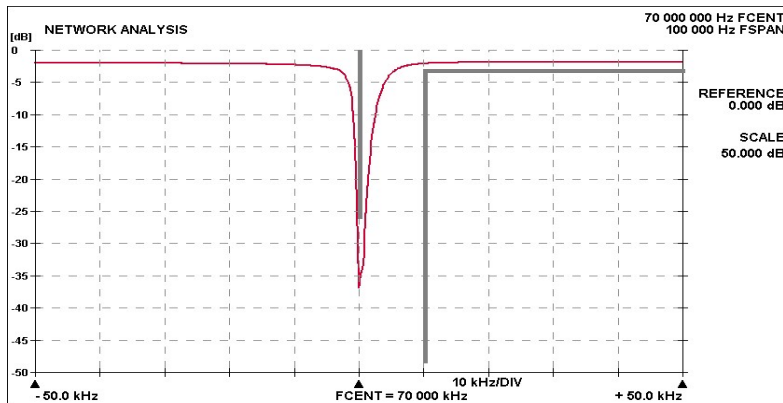
1.12 Marking on the case :



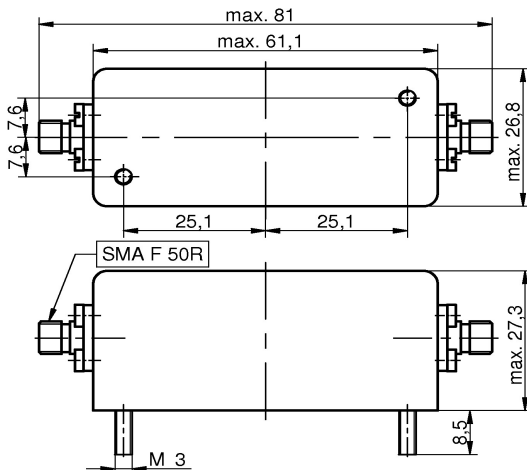
YY - year  
WW – week ( or customer's marking )

**2. Characteristics**

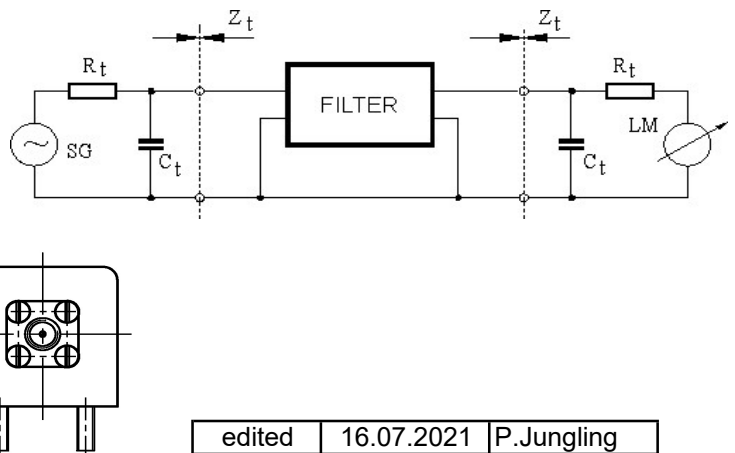
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**Dimensions KA3**  
[mm]



**Measurement Circuit**



edited 16.07.2021 P.Jungling