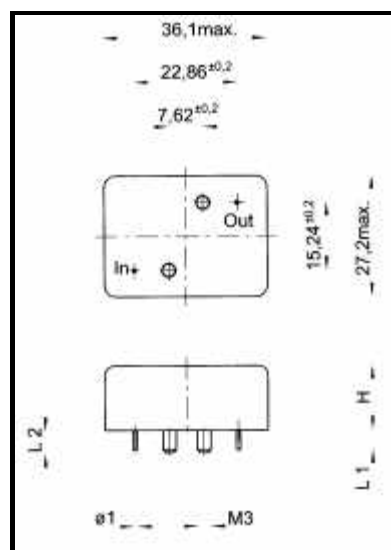


## CRYSTAL FILTER SPECIFICATION

### 40m FRONTEND FILTER SERIES AF40

No.	Parameter	Value
1	Center Frequency fo	See list
2	Pass Bandwidth at 3 dB	$\pm 12.5\text{kHz}$
3	Passband Ripple in fo $\pm 10$ kHz	$< 2$ dB
4	Insertion loss	$< 3.5$ dB
5	Stop bandwidth at 40 dB at 60 dB	$< \pm 27$ kHz $< \pm 40$ kHz
6	Ultimate Attenuation	$> 90$ dB
7	Spurious response attenuation @ fo+80 kHz ... +500 kHz	$> 60$ dB
8	Out-of-band intermodulation 3 <sup>rd</sup> order Intercept Point Tones $-10$ dBm @ fo $\pm 50/100\text{kHz}$	typ. $+30\dots+35$ dBm
9	Nominal Input Power	$0.1$ mW
10	Maximum Input Power (short time)	$10$ mW
11	Termination Input Output	$50$ W $\pm 10\%$ $50$ W $\pm 10\%$
12	Operating Temperature Range	$0^\circ\text{C} \dots +60^\circ\text{C}$
13	Enclosure size (LxWxH)max.	$36.1 \times 27.2 \times 20\text{mm}$

Center Frequency (kHz)	Tolerance (Hz)	Part No.
7.012,5	$\pm 500$	AF40-7012.5
7.032.5	$\pm 500$	AF40-7032.5
7.052.5	$\pm 500$	AF40-7052.5
7.077.5	$\pm 500$	AF40-7077.5



Enclosure drawing :

DATE : Nov. 15, 2001

NAME : DK 1 AG