



**10.7 MHz Crystal Filter**

**P/N: AM10.7CR305**

REFERENCE FREQUENCY	10.7MHz
PASS BANDWIDTH AT 3dB	$\pm 12\text{kHz}$ MIN $\pm 14.4\text{kHz}$ MAX
PASSBAND RIPPLE OVER $\pm 10.8\text{kHz}$	0.5dB MAX
TRANSDUCER ATTENUATION	3.0dB MAX
VARIATIONS OF GROUP DELAY:	
OVER $\pm 10.8\text{kHz}$	32us
OVER $\pm 7.2\text{kHz}$	12us
STOPBAND:	
ATTENUATION PROFILE SEE SH 2	
AT $\pm 30\text{kHz}$	>30dB
FROM $\pm 42\text{kHz}$ TO $\pm 300\text{kHz}$	>45dB
SPURIOUS RESPONSE WINDOW	
FROM $\pm 300\text{kHz}$ TO $\pm 1\text{MHz}$	>35dB DOWN
FROM $\pm 1\text{MHz}$ TO $\pm 5\text{MHz}$	>60dB
AT $> \pm 5\text{MHz}$	>45dB
TERMINATING IMPEDANCE	910 OHMS/ /25pF
MAXIMUM DRIVE LEVEL	
WHEN TERMINATED AS ABOVE	10mW
NOTE: TERMINALS 1 AND 2 (3 AND 4 DITTO) MUST:	
a) BE D.C. ISOLATED WITH RESPECT TO EACH OTHER AND GROUND	
b) BE RF SYMMETRICAL WITH RESPECT TO GROUND SUCH THAT IF THE TERMINALS ARE ALTERNATELY GROUNDED, THE RESULTING DIFFERENCE IN THE PASSBAND AMPLITUDE OVER $\pm 9\text{kHz}$ IS LESS THAN 0.5dB.	
c) HAVE AN EFFECTIVE MAGNITUDE OF ISOLATING CAPACITOR (REFER TO NOTE a) THAT DOES NOT EXCEED 300pF WHEN MEASURED AT 1kHz.	
<b>ENVIRONMENTAL CONDITIONS:</b>	
TEMPERATURE RANGE	
OPERATING	-40°C TO +85°C
STORAGE	-55°C TO +85°C



# ANATECH ELECTRONICS, INC.

Manufacturer of RF & Microwave Products



## 10.7 MHz Crystal Filter

P/N: AM10.7CR305

