

QUESTIONS AND ANSWERS

W6369-18-X034/A

Radio Frequency Filters

Number	Questions/Answers/Amendment
Question 1	<p>Just to clarify in Annex A section 4.1 Item #7 the specification is:</p> <p>Band rejection 3.0 dB max. DC – 1700 MHz Insertion loss 30 dBc max. @ 1800 – 8000 MHz</p> <p>Should this be the other way around?</p> <p>Band rejection 30 dBc max. @ 1800 – 8000 MHz Insertion loss 3.0 dB max. DC – 1700 MHz</p>
Answer 1	<p>There is indeed an error in the specifications. It should read:</p> <p>Band rejection 30 dBc min. @ 1800 – 8000 MHz Insertion loss 3.0 dB max. DC – 1700 MHz</p>
Amendment 1	<p>Please refer to the Statement of Requirement on page 16, Annex A, Section 4.1, Item # 7 for changes made.</p>
Question 2	<p>A. Mechanical footprint or size constraints?</p> <p>B. Environmental requirements?</p> <p style="padding-left: 40px;">Operational temp</p> <p style="padding-left: 40px;">Moisture</p> <p style="padding-left: 40px;">Vibration</p>

Number	Questions/Answers/Amendment
Answer 2	<p>A. No footprint or size constraint.</p> <p>B. Environmental</p> <p style="padding-left: 40px;">Temperature: -40C – 125C (flexible, temperature is not a major concern)</p> <p style="padding-left: 40px;">Moisture: no constraints</p> <p style="padding-left: 40px;">Vibration: no constraints</p>
Question 3	Can we get more information such as a preferred manufacturer and part numbers?
Answer 3	No preferred manufacturer or part numbers
Question 4	Are the specifications strictly need to be followed or some deviation will be acceptable?
Answer 4	Yes specifications should be strictly met
Question 5	<p>Referring to Item #3 in the specification:</p> <p>I do not believe that it is technically feasible to meet the frequency range specification to 16000MHz. A notch filter will respond to harmonics of the notch frequency and will reject them as well. Here the fundamental frequencies that we are removing is 3875 – 3925 MHz with a center of 39000MHz. Therefore the third harmonic falls around 12000MHz. We can provide a filter that will reach DC to 16000MHz but it will have two reject bands within that range. Will this meet the specifications required?</p>
Answer 5	<p>There is indeed an error in the specifications. It should read:</p> <p style="padding-left: 40px;">Insertion loss 1.5 dB max. @ DC – 3825 and 3975 – 6000 MHz</p>
Question 6	<p>Referring to Item #7:</p> <p>Is it possible to change the start of the reject frequency from 1800MHz to 1900MHz? This is due to the sharpness of the filter required to meet this specification.</p>
Answer 6	Yes that range is acceptable.

Solicitation Period

Please note the solicitation period has been extended to 08 January 2019