

PROXY

This proxy is Solicited by The Board of Directors of Microwave Filter Company, Inc.

Proxy for 2009 Annual Meeting of Shareholders

The undersigned hereby appoints Robert R. Andrews and Carl F. Fahrenkrug proxies of the undersigned, with full power of substitution, to vote shares of common stock of the Company which the undersigned is entitled to vote at the 2009 Annual Meeting of the Shareholders to be held on Wednesday, April 8, 2009 at 10:00 a.m. and any adjournments thereof as follows:

(1) ELECTION OF DIRECTORS

Instructions: To vote for all nominees, place an X in box number 1. To withhold authority to vote for any individual nominee, place an X in box number 2, and draw a line through his/her name in the list below.

1. For All Nominees
2. For All Nominees Except Those With A Line Through Their Name

Trudi B. Artini Perry A. Harvey John J. Kennedy

In their discretion, the proxies are authorized to vote upon other matters properly coming before the meeting or any adjournments thereof.

This proxy will be voted as directed by the undersigned. IF NO DIRECTION IS GIVEN, THIS PROXY WILL BE VOTED FOR PROPOSAL (1).

NOTE: Please date and sign exactly as your name or names appear below and return in the enclosed postage paid envelope.

When signing as an Attorney, Executor, Trustee, Guardian or Officer of a Corporation, please give title as such.

Signature Date

Signature if held jointly Date

IMPORTANT: To assist the Company in planning the Annual Meeting please check the following:

I plan to attend the Annual Meeting _____ I do not plan to attend the Annual Meeting _____