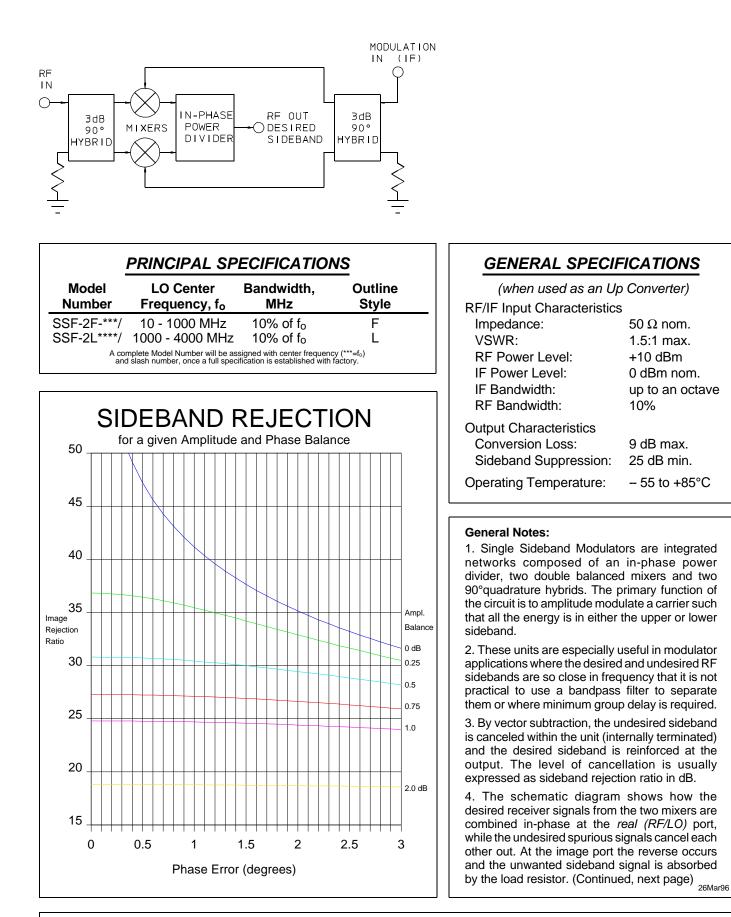
SINGLE SIDEBAND MODULATOR

10 to 4000 MHz / Image Rejection to 30 dB / Internal Second Quad / High Sideband Rejection



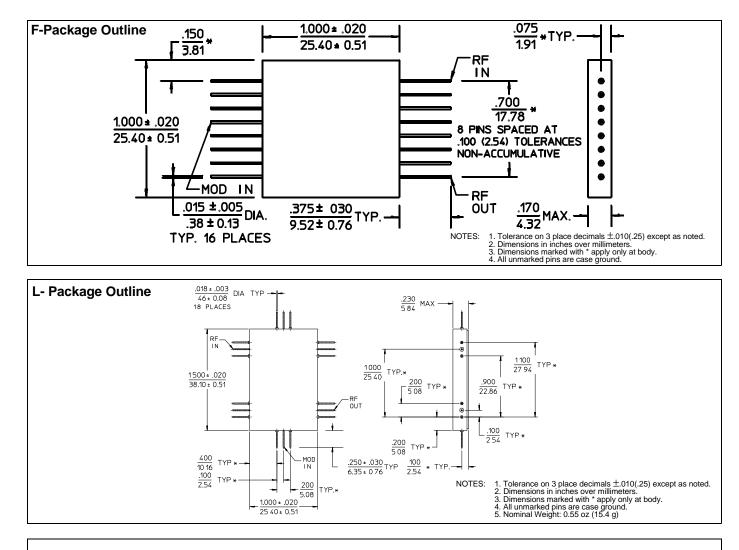
For further information contact M ERRIM AC /41 Fairfield PL,W estCallw ell,NJ,07006 / 973-575-1300 /FAX 973-575-0531

SSF-2 Series SINGLE SIDEBAND MODULATOR

10 to 4000 MHz / Image Rejection to 30 dB / Internal Second Quad / High Sideband Rejection







General Notes (Continued)

5. From a practical standpoint, there are may considerations affecting sideband suppression, such as the phase and amplitude balances of the individual components chosen, mixer sensitivity, VSWR interaction, bandwidth, etc.

6. The most useful guide to how much signal rejection may be expected for a given phase error and amplitude balance is shown in the graph. These curves allow determination of the trade-off between the allowable phase and amplitude errors for a desired image rejection ratio.

Merrimac offers a wide range of Single Sideband Modulators to a variety of specifications. The parameters quoted for the SSF series are a basis only for more exacting requirements. The the minimum image rejection and package size will be impacted most by an increase in bandwidth requirements.
Merrimac Single Sideband Modulators comply with applicable portions of MIL-M-28837 and can be supplied screened for additional specifications you specify for military and aerospace applications requiring higher reliability.

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