

DEVELOPMENT AND APPLICATION
OF RESONATOR MIRRORS WITH DISPLACED
SPECTRAL CHARACTERISTICS FOR SELECTION
OF LASER TRANSITIONS

*Ya.M. Bondarchuk, Ya.O. Dovgyi, D.S. Krtsyuk,
V.V. Lyys'Kyi*

“L’viv-Elektronika” ltd
(14a, Uhorska Str., L’viv 79034;
e-mail: bond@org.lviv.net)

S u m m a r y

As elements of dispersive resonators, we offer to use the interference mirrors with displaced spectral characteristics (MDSC). For an estimation of the selection properties of MDSC, the parameter of selectivity which is defined by basic constructive performances of the used mirrors is introduced. Constructions of the suggested mirrors are optimized from the point of view of the used film-forming materials. The results of experiments confirm the efficiency of the selection of laser transitions with MDSC.