

工艺测试

激光反射镜与诱导透射滤光片工艺分析

荆玉兰, 蒋向东, 张怀武

电子科技大学 微电子与固体电子学院, 成都 610054

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摘要

随着光通信和光信息技术的迅速发展,介质高反射镜和窄带滤光片倍受人们关注,有机光学薄膜滤波器材料及器件将日益受到重视.采用一个低通滤波器和高通滤波器在其通带叠合处便可产生一个优良的窄带滤波器.详细介绍了几种光学薄膜器件激光反射镜、诱导透射滤光片(ITF)和微片式激光器的混合材料及制备工艺,并给出其设计方法,对批量生产将有极大的促进作用.

关键词 [激光反射镜](#) [ITF滤光片](#) [微片式激光器](#)

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Process Analysis of Laser Reflective Mirror and Induce Transmittance Filter (ITF)

JING Yu-lan,JIANG Xiang-dong,ZHANG Huai-wu

University of Electronic Science and Technology, Chengdu 610054, China

Abstract

With the development of the optical communication and optical information,laser reflective mirror and ITF filter is catching people's attention. With the further development in this field, the organic optical film filters and devices will be laid stress on increasingly. And a excellent narrow-band filter will be produced with a low-pass and a high-pass filter at the passband congruence. In this paper several optical thin film devices such as laser reflective mirror,ITF filter, microchip laser are introduced and their fabricated process as well as design method are given, which is very useful in the optical application field.

Key words [laser reflective mirror](#) [ITF filter](#) [microchip laser](#)

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通讯作者 荆玉兰

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