



S1 (note 4)

**For Reference
Only**

REVISIONS

ZONE	REV	DESCRIPTION	ECO NO.	APPD.	DATE
ALL	A	Re-drawn	.	DHJ	7/18/02

NOTES:

1. Material is congruent, periodically-poled lithium niobate. Strips are 1.3mm (Y) wide, separated by unpoled regions of 0.09mm. Shortest period strip is 1.8mm wide. The ±Z faces are etched to decorate domains. They may appear spotty and uneven.

2. Domain periods:
 28.5, 28.7, 28.9, 29.1, 29.3, 29.5, 29.7, 29.9 microns for -03, and -07 parts.
 25.5, 25.9, 26.4, 26.9, 27.4, 27.8, 28.2, 28.7 microns for -06, and -08 parts.

3. Length "L" is 19mm for -03, -06, 50mm for -07, -08.

4. S1 and S2 are polished to 20-10 scratch dig, flat to 1/8 wave. Edges not bevelled. Edge-chips larger than 100 microns on S1 and S2 are fewer than 2 per face. The aperture size in the Z dimension of S1 and S2 is a minimum of 900 microns. S1 and S2 are parallel within 5 minutes.

FINISH: SEE NOTES		CONTRACT NUMBER	
MATERIAL: SEE NOTES		DR. DHJ	7/18/02
SPEC. NO.		CHK.	
UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN mm		APPD.	
TOLERANCES		APPD.	
INCHES	MILLIMETERS	DESIGN ACTIVITY APPROVAL:	
.XX ± .01	X.XX ± 0.25	CUSTOMER APPROVAL:	
.XXX ± .005	X.XXX ± 0.125		
.XXX ± .0020	SURFACE FINISH 63/	DO NOT SCALE DRAWING	
ANG ± .5°			



Crystal Technology, Inc.

AN EPCOS Company

TITLE: PPLN 11.5(Y)x1(Z)x"L"(X)
 Length "L" according to Note 3

SIZE	DWG. NO.	REV.
A	97-02384-XX	A

SCALE: N/A SH. 1 OF 1