



**For Reference
Only**

REVISIONS

ZONE	REV	DESCRIPTION	ECO NO.	APPD.	DATE
ALL	C	Re-drawn, add -05	.	DHJ	8/30/05

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 -05, -06, and -08 parts.
3. Length "L" is 19mm for -03, -06, 50mm for -07, -08. and 10mm for -05.
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 400 microns. S1 and S2 are parallel within 5 minutes.

FINISH: SEE NOTES		CONTRACT NUMBER	
MATERIAL: SEE NOTES		DR. DHJ	8/30/05
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		
.XXXX ± .0020	SURFACE FINISH 63/		
ANG ± .5°			



Crystal Technology, Inc.
AN EPCOS Company

TITLE: PPLN 11.5(Y)x.5(Z)x"L"(X)
Length "L" according to Note 3

SIZE A	DWG. NO. 97-02182-XX	REV. C
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DO NOT SCALE DRAWING	SCALE: N/A	SH. 1 OF 1
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