

Delta Datasheet

Technical Data on Delta Microwave Products

PCS Ultra Low Loss Bandpass Filter

Model **L1470**

Features:

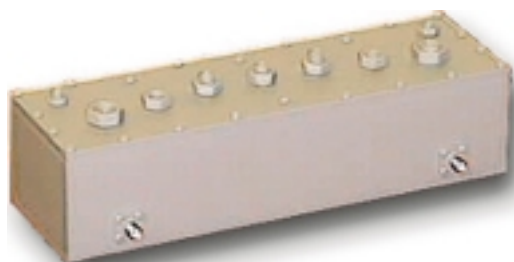
Low Loss

Co-Axial Cavity Configuration

High Performance

Ruggedized Package

High Power Handling



Description:

The L1469 was developed for loss critical PCS applications.

The filter design uses a four section co-axial cavity bandpass filter and two coupled zeroes for high "Q" and low insertion loss.

For more information on custom or standard PCS Products, Delta Microwave can be contacted Via the Internet at <http://www.deltamicrowave.com>. Or you can call or fax your request Delta Microwave, or contact one of our sales representatives in your area.

Specifications:

Passband..... 1960 to 1980 MHz

Insertion Loss..... 0.5 dB maximum 0.35 typ

VSWR..... 1.5:1

Rejection 80 dB from 1880 to 1900

Power Handling 200 Watts CW

Connectors..... SMAF

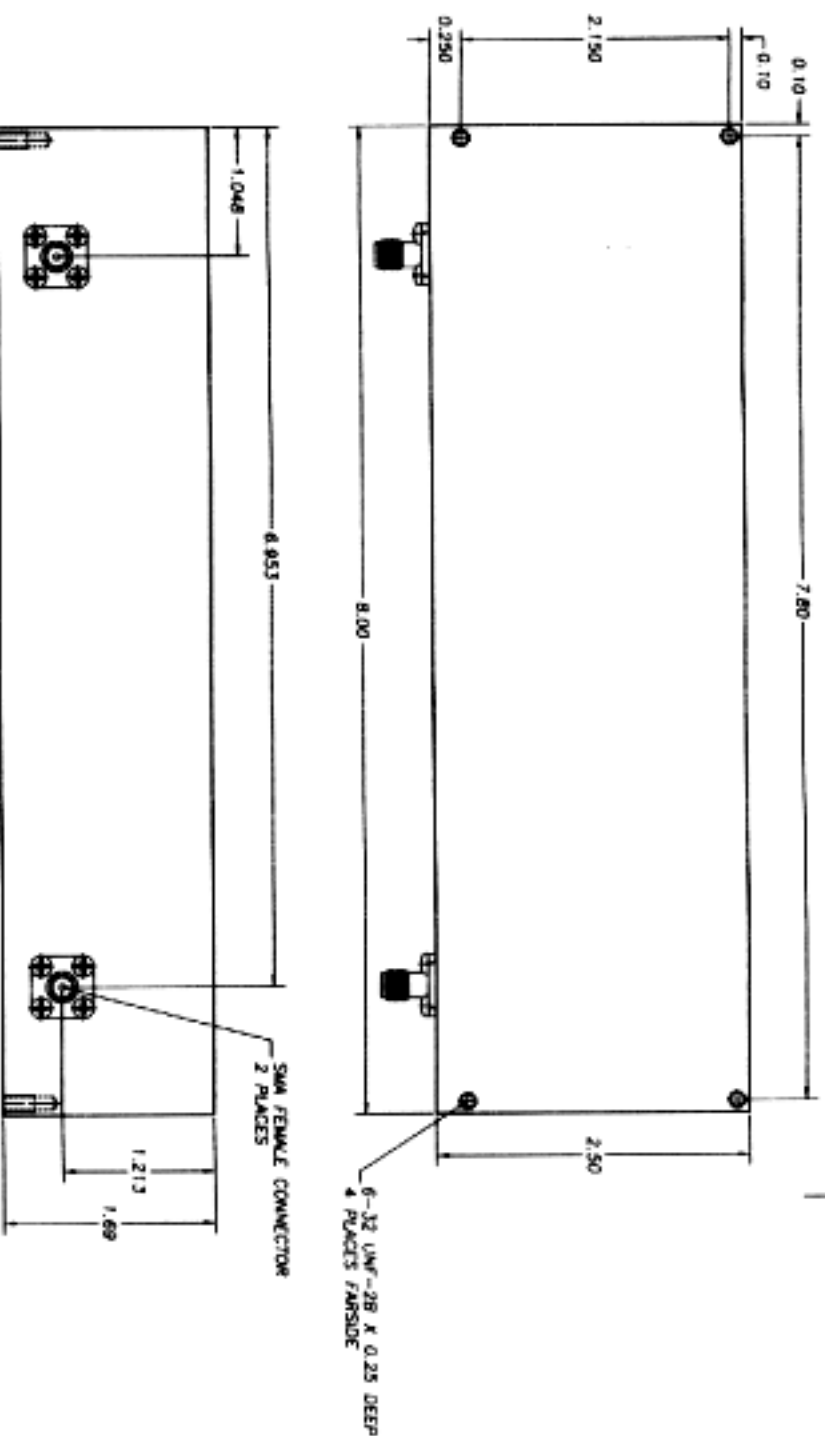
Operating Temperature..... -40 to +85°C

Humidity 100% Condensing

Operating Altitude..... -500 to +5000 Meters

Size 1.69 x 2.5 x 8.0"





2. MARKING: USING BLACK WARNOW INK TO INCLUDE:
DELTA MICROWAVE, MODEL NO., SERIAL NO.,
CODE IDENT. NO. 51719 AND DATE CODE

1. FINISH: HAZE GRAY EPOXY POLYAMIDE TOPCOAT
PER MIL-P-24441B TYP.1
(AS)COLOR NO.26270, FORMULA 151
PER MIL-P-24441/1C, OPL 24441-103
USING EPOXY POLYAMIDE PRIMER
PER MIL-P-24441B TYP.1 24272 GREEN
FORMULA 150 PER MIL-P-24441/1C, OPL 24441-103

NOTES:

QTY	REV	DATE	DESCRIPTION	APPROVED
1	1	03/02/99	RELEASED	
UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES TOLERANCES ARE: FRACTIONS DECIMALS ANGLES X 0.01 0.005 0.010				
MATERIAL		FINISH		
HAZE GRAY EPOXY POLYAMIDE TOPCOAT		HAZE GRAY EPOXY POLYAMIDE TOPCOAT		
PER MIL-P-24441B TYP.1		PER MIL-P-24441B TYP.1		
(AS)COLOR NO.26270, FORMULA 151		(AS)COLOR NO.26270, FORMULA 151		
PER MIL-P-24441/1C, OPL 24441-103		PER MIL-P-24441/1C, OPL 24441-103		
USING EPOXY POLYAMIDE PRIMER		USING EPOXY POLYAMIDE PRIMER		
PER MIL-P-24441B TYP.1 24272 GREEN		PER MIL-P-24441B TYP.1 24272 GREEN		
FORMULA 150 PER MIL-P-24441/1C, OPL 24441-103		FORMULA 150 PER MIL-P-24441/1C, OPL 24441-103		
SCALE: 1" = 1"				

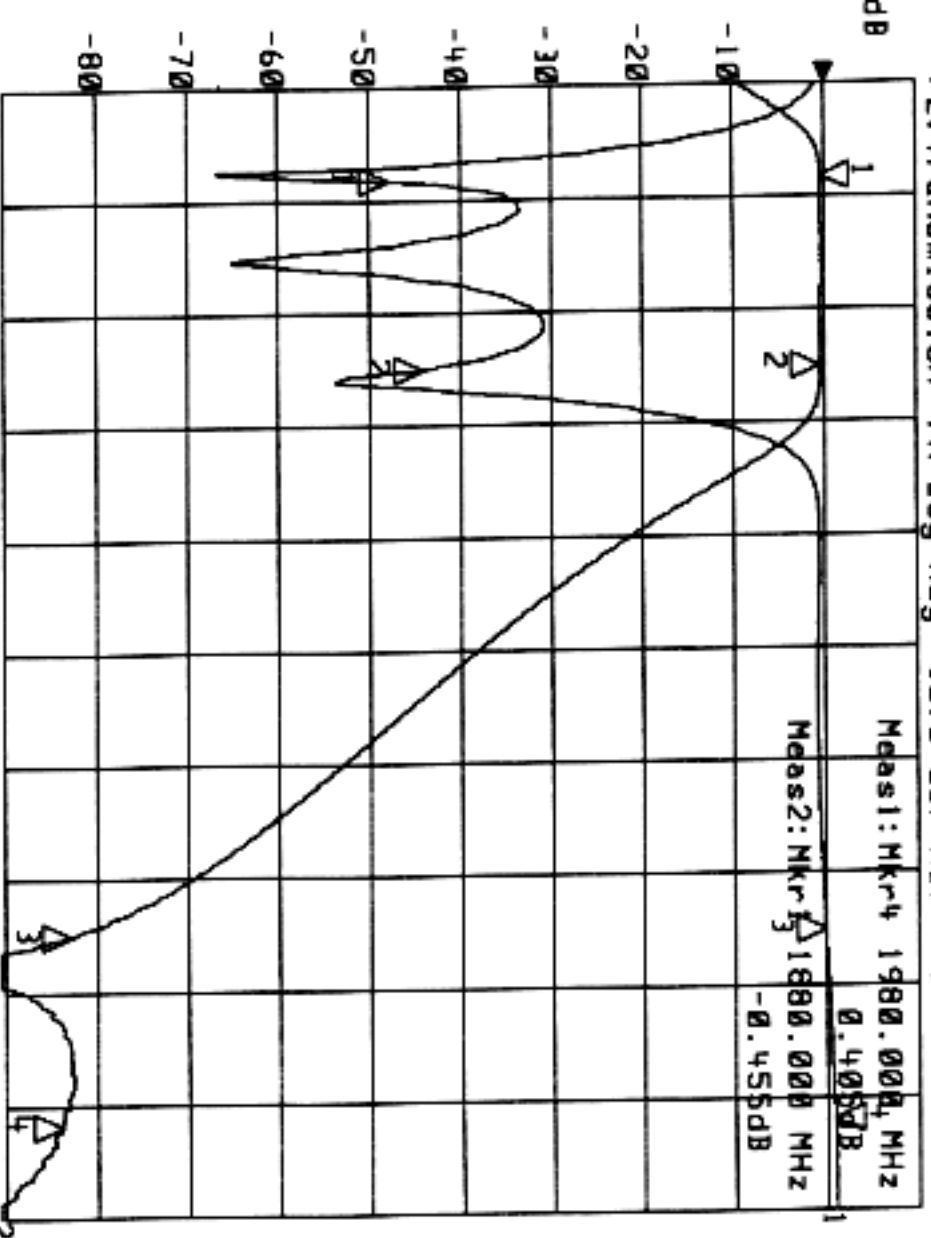
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3

2

1

D1:Reflection /M Log Mag 5.0 dB/ Ref 0.00 dB
 P2:Transmission /M Log Mag 10.0 dB/ Ref 0.00 dB



Start 1 870.000 MHz

Stop 1 990.000 MHz

1:Mkr (MHz)	dB	2:Mkr (MHz)	dB
1: 1880.0000	-23.823	1> 1880.0000	-0.455
2: 1900.0000	-21.964	2: 1900.0000	-0.464
3: 1960.0000	-0.062	3: 1960.0000	-82.721
4> 1980.0000	0.405	4: 1980.0000	-83.845