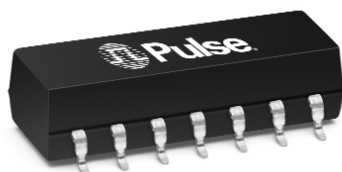


RF/CABLE LOW PASS FILTERS



-  For use in HFC, cable modems and termination systems
-  Domestic and international versions
-  Less than 1 dB inband insertion loss
-  Small group delay variation
-  Small surface mount package

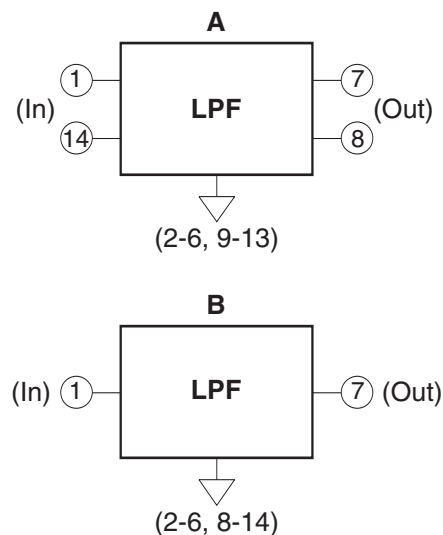
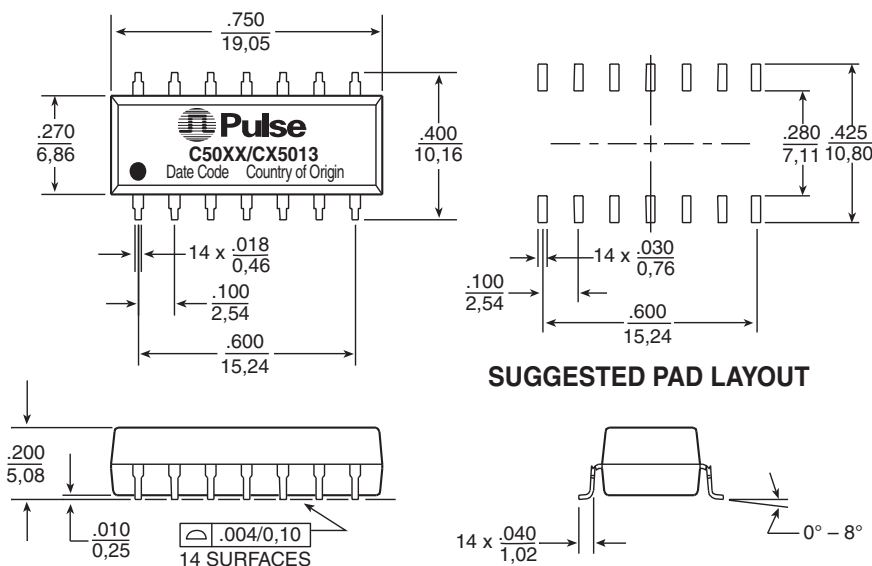
Electrical Specifications @ 25°C

Part Number	In/Out Impedance	Cut-Off Passband Frequency	Insertion Loss (dB MAX)	Return Loss (dB MIN)	GDV (MAX)	Stopband (dB MIN)			Schematics
C5001	150 Ω	50.0 MHz TYP	1.0 @ 1-40 MHz	15 @ 1-40 MHz	30 ns @ 40 MHz	15 @ 75 MHz	28 @ 100-300 MHz		A
C5003	150 Ω	80.0 MHz TYP	1.0 @ 1-65 MHz	15 @ 1-65 MHz	25 ns @ 65 MHz	15 @ 100 MHz	38 @ 165 MHz		A
C5005	75 Ω	59.5 MHz TYP	1.0 @ 1-50 MHz	15 @ 1-50 MHz	—	10 @ 70 MHz	35 @ 100 MHz	40 @ 150-500 MHz	B
CX5013	75 Ω	68.0 MHz TYP	1.5 @ 1-60 MHz	15 @ 1-60 MHz	35 ns @ 60 MHz	15 @ 75 MHz	30 @ 100-500 MHz		B

Mechanical

Schematic

C500X/CX5013



Weight 1.35 grams
Tape & Reel600/reel
Tube25/tube
Dimensions: $\frac{\text{Inches}}{\text{mm}}$
 Unless otherwise specified,
 all tolerances are $\pm \frac{.010}{0.25}$

For More Information :

UNITED STATES (Worldwide)

12220 World Trade Drive
 San Diego, CA 92128
 U.S.A.
<http://www.pulseeng.com>
 TEL: 858 674 8100
 FAX: 858 674 8262

UNITED KINGDOM (Northern Europe)

1 & 2 Huxley Road
 The Surrey Research Park
 Guildford, Surrey GU2 5RE
 United Kingdom
 TEL: 44 1483 401700
 FAX: 44 1483 401701

FRANCE (Southern Europe)

Zone Industrielle
 F-39270
 Orgelet
 France
 TEL: 33 3 84 35 04 04
 FAX: 33 3 84 25 46 41

SINGAPORE (Southern Asia)

150 Kampong Ampat
 #07-01/02
 KA Centre
 Singapore 368324
 TEL: 65 6287 8998
 FAX: 65 6280 0080

TAIWAN, R.O.C. (Northern Asia)

3F-4, No. 81, Sec. 1
 HsinTai Wu Road
 Hsi-Chih, Taipei Hsien
 Taiwan, R.O.C.
 Tel: 886 2 2698 0228
 FAX: 886 2 2698 0948

HONG KONG (China/Hong Kong)

9/F, Phase 2, Tai Sang
 Shatin Warehouse Centre
 6 Wong Chuk Yeung Street
 Fotan, Shatin, Hong Kong
 TEL: 852 2788 6588
 FAX: 852 2776 1055

DISTRIBUTOR

Performance warranty of products offered on this data sheet is limited to the parameters specified. Data is subject to change without notice. Other brand and product names mentioned herein may be trademarks or registered trademarks of their respective owners.