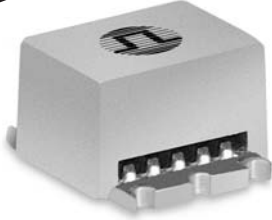








# RF DIFFERENTIAL SPLITTER

## For RF Applications in Coaxial Cable Products and Distribution Equipment



-  Differential inputs and differential outputs
-  Optimized for use with differential amplifiers
-  Operating bandwidth: 96MHz to 864MHz
-  Ideal for set top box applications
-  Good flatness
-  Good Isolation

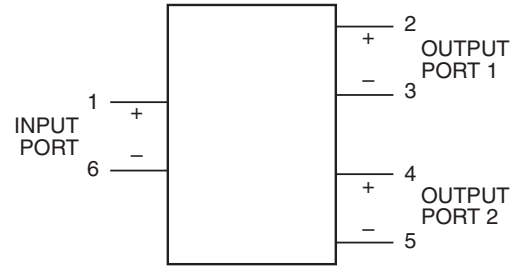
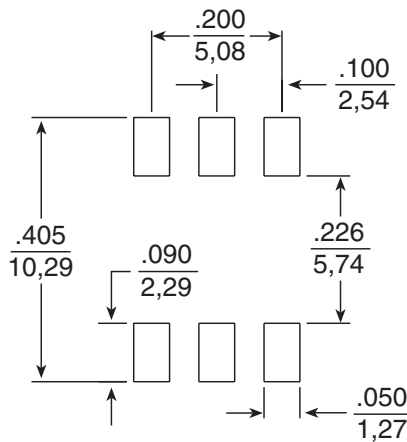
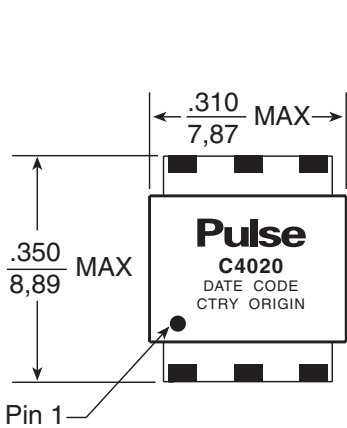
### Electrical Specifications @ 25°C

Standard <sup>1</sup> Part Number	RoHS-6 <sup>1</sup> Compliant Part No.	Frequency <sup>2</sup> (MHz)	Z (Ω)	Insertion Loss (Above 3dB)		Flatness 96-864MHz (dB TYP/MAX)	Isolation 96-864MHz (dB TYP/MIN)	Return Loss 96-864MHz (dB MIN)
				96-400MHz (dB TYP/MAX)	400-864MHz (dB TYP/MAX)			
C4020	C4020NL	96-864	75	1.1/1.8	1.9/3.0	1.0/1.5	25/20	9

Notes: 1. Optional Tape & Reel packaging available by adding a "T" suffix to the part number (ex: C4020T). Specifications apply to both Port 1 and Port 2.  
 2. Additional operating frequencies are available. Please contact Pulse Applications Engineering for further details.

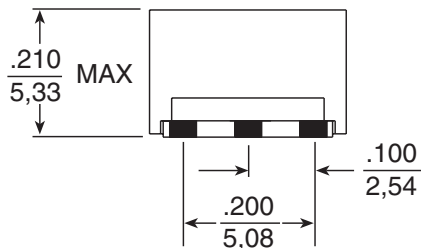
### Mechanical

#### C4020/C4020NL



BLOCK DIAGRAM

#### SUGGESTED PAD LAYOUT



Weight . . . . .0.40 grams

Tape & Reel . . . . .850/reel

Dimensions:  $\frac{\text{Inches}}{\text{mm}}$

Unless otherwise specified, all tolerances are  $\pm \frac{.005}{0,13}$

# RF DIFFERENTIAL SPLITTER

## For RF Applications in Coaxial Cable Products and Distribution Equipment

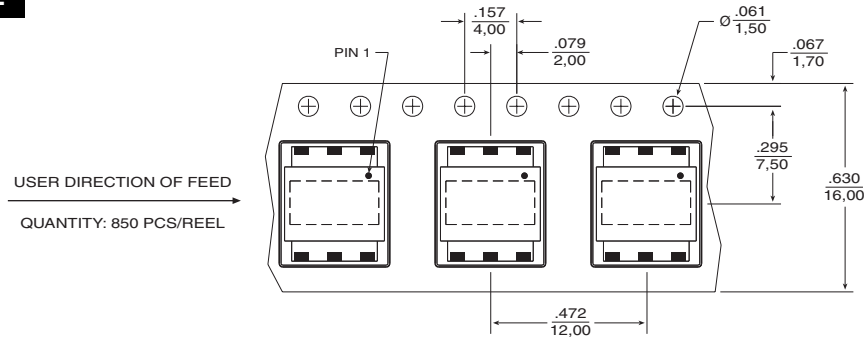


### Application Notes

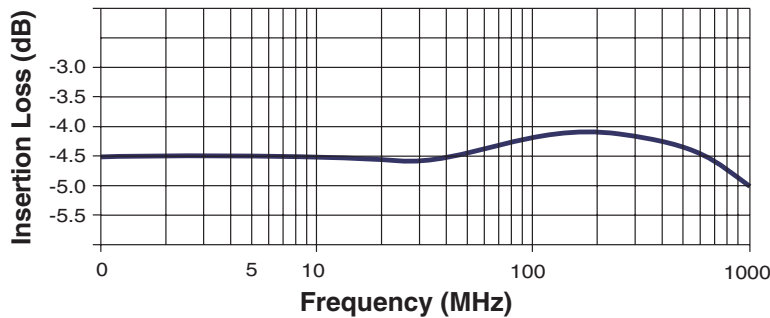
A. Materials used in the products are UL94-V0 recognized. Products meet requirements of IEC 695-2-2 (Needle Flame Test).

### Tape and Reel Specifications

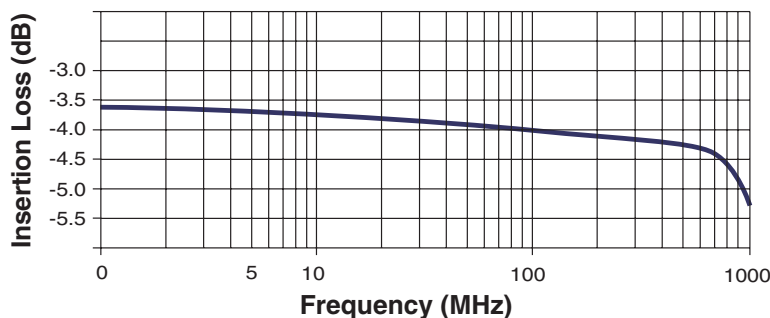
#### C4020/C4020NL



#### C4020 / C4020NL - Port 1 Insertion Loss



#### C4020 / C4020NL - Port 2 Insertion Loss



### For More Information:

**Pulse Worldwide Headquarters**  
12220 World Trade Drive  
San Diego, CA 92128  
U.S.A.  
[www.pulseeng.com](http://www.pulseeng.com)  
TEL: 858 674 8100  
FAX: 858 674 8262

**Pulse Northern Europe**  
3 Huxley Road  
Surrey Research Park  
Guildford, Surrey GU2 5RE  
United Kingdom  
TEL: 44 1483 401700  
FAX: 44 1483 401701

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

**Pulse China Headquarters**  
No. 1  
Industrial District  
Changan, Dongguan  
China  
TEL: 86 769 5538070  
FAX: 86 769 5538870

**Pulse North China**  
Room 1503  
XinYin Building  
No. 888 YiShan Road  
Shanghai 200233  
China  
TEL: 86 21 54643211/2  
FAX: 86 21 54643210

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

**Pulse North Asia**  
No. 26  
Kao Ching Road  
Yang Mei Chen  
Taoyuan Hsien  
Taiwan, R. O. C.  
TEL: 886 3 4641811  
FAX: 886 3 4641911

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