PRODUCT DATASHEET
PART NUMBER: CX6157

- Diplexer 50-870/975-1025 MHz
- Impedance = 75 Ohms
- Surge Protection 10/1000 uS, 3KV, 120A
- Operating Temperature = -40°C to 85°C

PRELIMINARY
PRODUCT SPECS
PER MOTOROLA
REV B DRAWING

Electrical Specifications @ 25°C

INSERTION LOSS : COMMON TO LOWPASS

50-870 MHz	975-1025 MHz	1790-2100 MHz							
1.5 dB typ 2.5 dB Max	64 dB Min	20 dB Min							

INSERTION LOSS : COMMON TO HIGHPASS

50-870 MHz	975-1025 MHz	2000-3000 MHz							
40 dB Min	2.5 dB Max	20 dB Min							

ISOLATION: HIGHPASS TO LOWPASS

50-870 MHz	975-1025 MHz								
40 dB Min	64 dB Min								

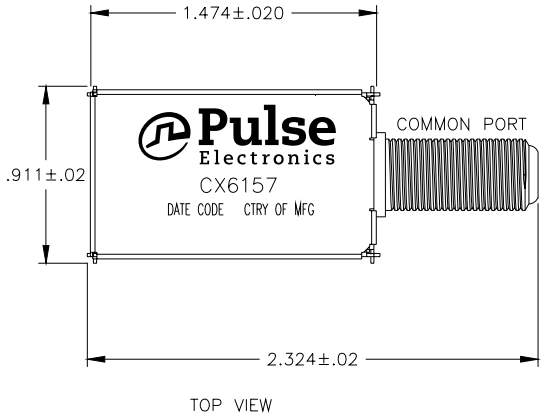
RETURN LOSS:

50-300 MHz	301-600 MHz	601-870 MHz	975-1025 MHz						
16 dB Min	14 dB Min	12 dB Min	14 dB Min						

Pulse
12220 World Trade Dr.
San Diego, CA 92128
U.S.A. www.pulseeng.com
TEL: 858 674 8100
FAX: 858 674 8262

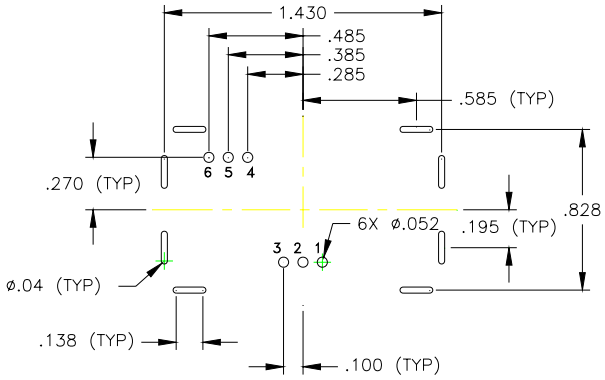
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Mechanical Specifications

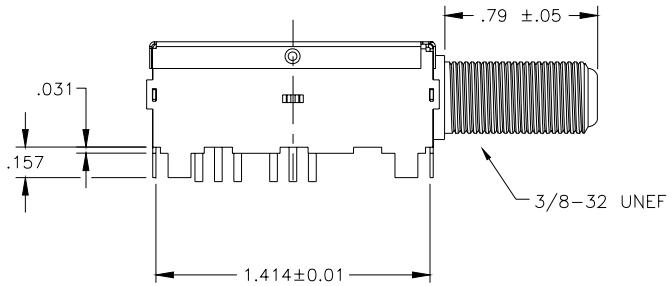


TOP VIEW

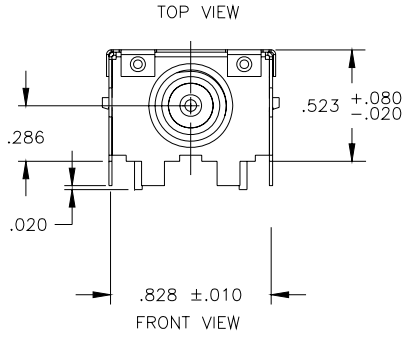
DESIGNATIONS	
COMMON PORT (CP)	FC1
HIGHPASS (WAN)	PIN 2
LOWPASS (CATV)	PIN 5
GROUND (GND)	PINS 1 & 3
GROUND (GND)	PINS 4 & 6



SUGGESTED PAD LAYOUT
TOP VIEW



SIDE VIEW



FRONT VIEW

DIMENSIONS	INCH
TOLERANCES	.XX +/− .01
	.XXX +/− .005

Housing Specifications:
F-Connector: Nickel plated Brass.
F-Connector Torque Resistance: 20 inch lbs in 10 seconds
Housing: SPTE

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