

Excellent Integrated System Limited

Stocking Distributor

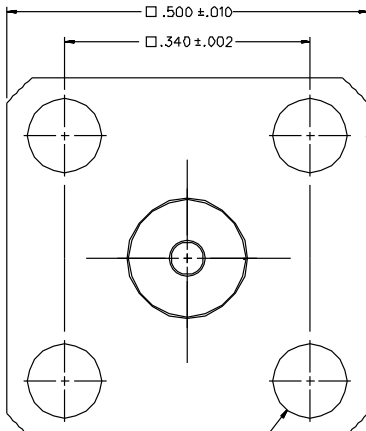
Click to view price, real time Inventory, Delivery & Lifecycle Information:

[Bel Fuse Inc.](#)
[142-1701-121](#)

For any questions, you can email us directly:

sales@integrated-circuit.com

PART NUMBER	ITEM-① BODY	ITEM-② CONTACT	ITEM-③ INSULATOR
142-1701-121	BRASS GOLD PL .00001 MIN OVER NICKEL PL .00005 MIN OVER COPPER PL .00005 MIN	BERYLLIUM COPPER GOLD PL .00003 MIN OVER NICKEL PL .00005 MIN OVER COPPER PL .00005 MIN	TEFLON
142-1701-122	BRASS GOLD PL .00001 MIN OVER NICKEL PL .00005 MIN OVER COPPER PL .00005 MIN	BRASS GOLD PL .00003 MIN OVER NICKEL PL .00005 MIN OVER COPPER PL .00005 MIN	TEFLON
142-1701-126	BRASS NICKEL PL .0001 MIN OVER COPPER PL .00005 MIN	BERYLLIUM COPPER GOLD PL .00003 MIN OVER NICKEL PL .00005 MIN OVER COPPER PL .00005 MIN	TEFLON



NOTES:

1. SPECIFICATIONS:

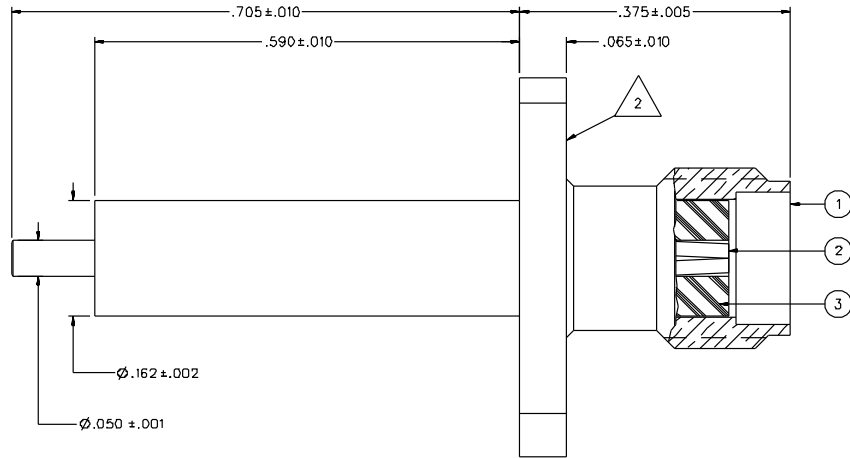
IMPEDANCE: 50 OHMS
FREQUENCY RANGE: 0-18 GHz
VSWR: 1.15:1 MAX (F IN GHz)
WORKING VOLTAGE: 3.35 VRMS MAX AT SEA LEVEL
DIELECTRIC WITHSTANDING VOLTAGE: 1000 VRMS MIN AT SEA LEVEL
INSULATION RESISTANCE: 5000 MEGOHM MIN
CONTACT RESISTANCE:
CENTER CONTACT - INITIAL 3.0 MILLIOHM MAX, AFTER ENVIRONMENTAL 4.0 MILLIOHM MAX
OUTER CONDUCTOR - INITIAL 2.0 MILLIOHM MAX
BRAID TO BODY - NOT APPLICABLE
CORONA LEVEL: 250 VOLTS MIN AT 70,000 FEET
INSERTION LOSS: .06 dB (F IN GHz) AT 6 GHz
RF LEAKAGE: .90 DB MIN AT 2 TO 3 GHz
RF HIGH POTENTIAL WITHSTANDING VOLTAGE: 670 VRMS MIN AT 4 AND 7 MHz

MECHANICAL:
ENGAGE/DISENGAGE TORQUE: 2 INCH-POUNDS MAX
MATING TORQUE: 7-10 INCH POUNDS
COUPLING PROOF TORQUE: NOT APPLICABLE
COUPLING NUT RETENTION: NOT APPLICABLE
CONTACT RETENTION: 6 LBS MIN AXIAL FORCE
4 IN-OZ MIN RADIAL TORQUE
CABLE ACCEPTABILITY: NOT APPLICABLE
CABLE HEX CRIMP SIZE: NOT APPLICABLE
CABLE RETENTION: NOT APPLICABLE
DURABILITY: 500 CYCLES MIN

ENVIRONMENTAL:

(MEETS OR EXCEEDS THE APPLICABLE PARAGRAPH OF MIL-PRF-39012)
THERMAL SHOCK: MIL-STD-202, METHOD 107, CONDITION B
EXCEPT 200 DEG C HIGH TEMP
OPERATING TEMPERATURE: -65 DEG C TO 165 DEG C
CORROSION: MIL-STD-202, METHOD 101, CONDITION B
SHOCK: MIL-STD-202, METHOD 213, CONDITION I
VIBRATION: MIL-STD-202, METHOD 204, CONDITION D
MOISTURE RESISTANCE: MIL-STD-202, METHOD 106

② BRASS CONTACT VERSION MARKED WITH RED DDT.



DRAWING NO. C - 142-1701-121/130	
0 REVISIONS	
ENGINEERING RELEASE	
1	2-21-96 R H R B ECN 43777
CHANGED: SQ .340±.002 WAS SQ .340±.005 4X DIA .102±.004 .001 WAS 4X DIA .105 ±.005. UPDATED GRAPHICS	
1a	8-23-96 R H R B ECN 44150
ADDED: P/N 142-1701-122, FLAGNOTE 2	
1b	3-15-00 R H R B ECN 47019
VERSION UPDATE	
REVISION NUMBER FOLLOWED BY AN ALPHA	
DRAWING FOR IMPROVED DRAWING CLARITY	
CAUTION ON PART NUMBER ADDITION ONLY	
1C	6-14-01 R H R B ECN 47924

CUSTOMER DRAWING

THIS DRAWING TO BE INTERPRETED PER ANSI Y 14.5M - 1982

"μSTATION"

COMPANY CONFIDENTIAL

TOLERANCE UNLESS OTHERWISE SPECIFIED		DRAWN BY RSH	DATE 2-21-96	JOHNSON Cinch Connectivity Solutions 290 Johnson Ave, Ste 100 Worcester, MA 01093 1-800-247-8236	
DECIMALS	mm	CHECKED BY JRK	DATE 2-22-96	TITLE JACK ASSEMBLY, .500 FLANGE MOUNT, EXTENDED DIELECTRIC, SMA	
.XX		APPROVED BY TAK	DATE 2-21-96	CODE NO.	DRAWING NO.
.XXX		APPROVED BY RJB	DATE 2-23-96		C - 142-1701-121/130
NATL		RELEASE DATE	3-22-96	SCALE 10:1	U/N INCH SHEET 2 OF 2
FINISH					