

Excellent Integrated System Limited

Stocking Distributor

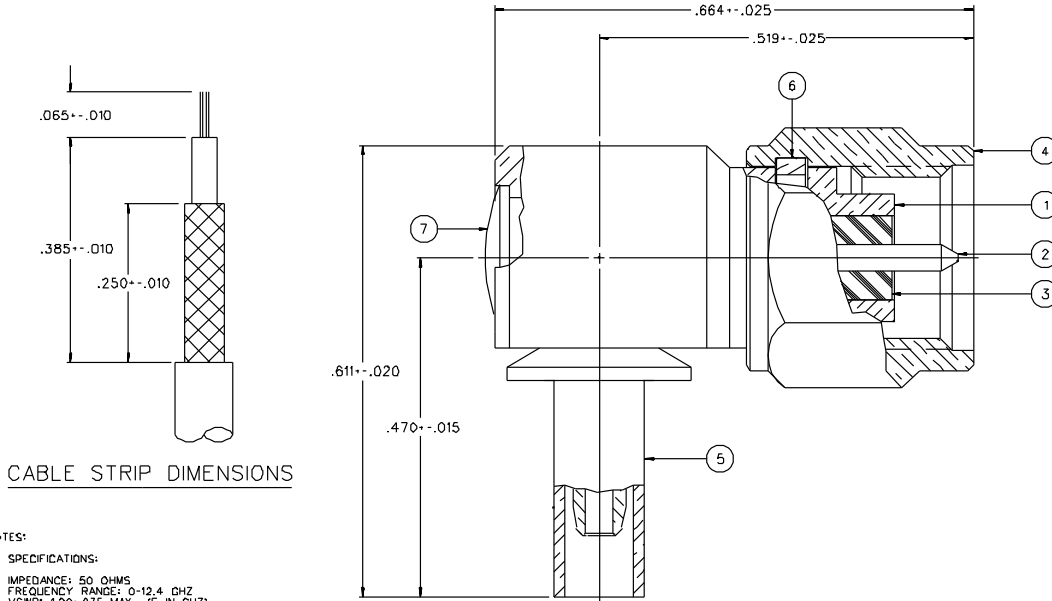
Click to view price, real time Inventory, Delivery & Lifecycle Information:

[Bel Fuse Inc.](#)
[142-0402-101](#)

For any questions, you can email us directly:

sales@integrated-circuit.com

PART NUMBER	ITEM ① BODY	ITEM ② CONTACT	ITEM ③ INSULATOR	ITEM ④ HEX NUT	ITEM ⑤ CRIMP SLEEVE	ITEM ⑥ RETENTION SPRING	ITEM ⑦ END CAP
142-D402-101	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	BRASS GOLD PL .00001 MIN OVER NICKEL PL .00005 MIN OVER COPPER PL .00005 MIN	COPPER GOLD PL .00001 MIN OVER NICKEL PL .00005 MIN OVER COPPER PL .00005 MIN	BERYLLIUM COPPER UNPLATED	BRASS GOLD PL .00001 MIN OVER NICKEL PL .00005 MIN OVER COPPER PL .00005 MIN
142-D402-106	BRASS NICKEL PL .0001 MIN OVER COPPER PL .00005 MIN	BRASS GOLD PL .00003 MIN OVER NICKEL PL .00005 MIN OVER COPPER PL .00005 MIN	TEFLON	BRASS NICKEL PL .0001 MIN OVER COPPER PL .00005 MIN	COPPER NICKEL PL .0001 MIN OVER COPPER PL .00005 MIN	BERYLLIUM COPPER UNPLATED	BRASS NICKEL PL .0001 MIN OVER COPPER PL .00005 MIN



CABLE STRIP DIMENSIONS

NOTES:

1. SPECIFICATIONS:

IMPEDANCE: 50 OHMS
FREQUENCY RANGE: 0-12.4 GHZ
VSWR: 1.20 ± 0.35 MAX (IF IN GHZ)
WORKING VOLTAGE: 170 VRMS MAX AT SEA LEVEL
DIELECTRIC WITHSTANDING VOLTAGE: 500 VRMS MIN AT SEA LEVEL
INSULATION RESISTANCE: 5000 MEGOHM MIN
CONTACT RESISTANCE:
CENTER CONTACT - INITIAL 4.0 MILLIOHM MAX, AFTER ENVIRONMENTAL 6.0 MILLIOHM MAX
OUTER CONDUCTOR - INITIAL 2.0 MILLIOHM MAX, AFTER ENVIRONMENTAL NOT APPLICABLE
BODY TO CABLE - 0.5 MILLIOHM MAX (GOLD PLATED), 5.0 MILLIOHM MAX (NICKEL PLATED)
CORONA LEVEL: 125 VOLTS MIN AT 70,000 FEET
INSERTION LOSS: .8 DB (IF IN GHZ) AT 6 GHZ
RF LEAKAGE: -60 DB MIN AT 2.5 GHZ
RF HIGH POTENTIAL WITHSTANDING VOLTAGE: 335 VRMS MIN AT 4 AND 7 MHZ MIN

MECHANICAL:
ENGAGE/DISENGAGE TORQUE: 2 INCH-POUNDS MAX
MATING TORQUE: 7-10 INCH-POUNDS
COUPLING PROOF TORQUE: 15 INCH-POUNDS MIN
COUPLING NUT RETENTION: 60 LBS MIN
CONTACT RETENTION: 6 LBS MIN
CABLE ACCEPTABILITY: RG 178, RG 196,
CABLE HEX CRIMP SIZE: .105
CABLE RETENTION: 10 LBS MIN AXIAL FORCE
DURABILITY: 500 CYCLES MIN

ENVIRONMENTAL:
(MEETS OR EXCEEDS THE APPLICABLE PARAGRAPH OF MIL-C-39012)
THERMAL SHOCK: MIL-STD-202, METHOD 107, CONDITION B, EXCEPT -85 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

DRAWING NO.
C - 142-0402-101/110
REVISIONS
0
ENGINEERING RELEASE
01 03-08-89 E J H H 4-10-89 CHANGED: REVISED SPECS. 664 ± .025 WAS .675 ± .010, 519 ± .025 WAS .520 ± .010, 611 ± .020 WAS .626 ± .010, 470 ± .015 WAS .470 ± .010
02 3-26-91 R H H H 4-3-91 CHANGED: RF LEAK 2.5 GHZ WAS 2 TO 3, RF HIGH POT 4 AND 7 MHZ WAS 5 TO 7.5
3 4-7-92 R H H H 4-14-92 UPDATED GRAPHICS
4 12-3-93 R H H H ECO 42109

CUSTOMER DRAWING

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

"μSTATION"

COMPANY CONFIDENTIAL

TOLERANCE UNLESS OTHERWISE SPECIFIED	DRAWN BY	DATE	JOHNSON	CODE NO.	DRAWING NO.
DECIMALS	EJ	8-12-87	299 Johnson Ave. Ste. 100 Worcester, MA 01093 1-800-247-8226		C - 142-0402-101/110
.XX	CHECKED BY	DATE			
.XXX	APPROVED BY	DATE			
NATL	TAK	3-13-89			
FINISH	APPROVED BY	DATE			
	RJB	3-13-89			
	RELEASE DATE	4-10-90			
	SCALE	10:1			
	U/M	INCH			
	SHEET	2 OF 2			