

Excellent Integrated System Limited

Stocking Distributor

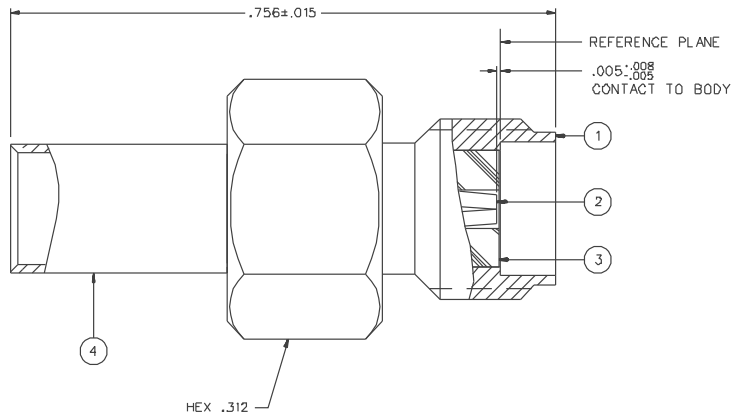
Click to view price, real time Inventory, Delivery & Lifecycle Information:

[Bel Fuse Inc.](#)
[142-0304-011](#)

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 CRIMP SLEEVE
142-D304-D11	BRASS GOLD PL .00001 MIN OVER NICKEL PL .00005 MIN OVER COPPER PL .00005 MIN	BERYLLIUM COPPER GOLD PL .00005 MIN OVER NICKEL PL .00005 MIN OVER COPPER PL .00005 MIN	TEFLON	COPPER GOLD PL .00001 MIN OVER NICKEL PL .00005 MIN OVER COPPER PL .00005 MIN
142-D304-D16	BRASS NICKEL PL .0001 MIN OVER COPPER PL .00005 MIN	BERYLLIUM COPPER GOLD PL .00005 MIN OVER NICKEL PL .00005 MIN OVER COPPER PL .00005 MIN	TEFLON	COPPER NICKEL PL .0001 MIN OVER COPPER PL .00005 MIN



NOTES:

I. SPECIFICATIONS:

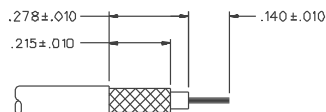
IMPEDANCE: 50 OHMS
FREQUENCY RANGE: 0-12.4 GHz
VSWR: 1.15-.02F MAX (F IN GHz)
WORKING VOLTAGE: 250 VRMS MAX AT SEA LEVEL
DIELECTRIC WITHSTANDING VOLTAGE: 750 VRMS MIN AT SEA LEVEL
INSULATION RESISTANCE: 5000 MEGOHM MIN
CONTACT RESISTANCE:
CENTER CONTACT - INITIAL 3.0 MILLIOHM MAX, AFTER ENVIRONMENTAL 4.0 MILLIOHM MAX
OUTER CONDUCTOR - INITIAL 2.0 MILLIOHM MAX, AFTER ENVIRONMENTAL NOT APPLICABLE
BODY TO CABLE - 0.5 MILLIOHM MAX (GOLD PLATED)
5.0 MILLIOHM MAX (NICKEL PLATED)
CORONA LEVEL: 190 VOLTS MIN AT 70,000 FEET
INSERTION LOSS: .06 V/F DB MAX (F IN GHz) AT 6 GHz
RF LEAKAGE: -60 DB MIN AT 2.5 GHz
RF HIGH POTENTIAL WITHSTANDING VOLTAGE: 500 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
CABLE ACCEPTABILITY: RG 316/U DOUBLE SHIELDED
CABLE HEX CRIMP SIZE: .151
CONTACT CRIMP TOOL: P/N 144-0000-910 WITH POSITIONER 141-0000-907
CABLE RETENTION: 20 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 B5° C HIGH TEMP
OPERATING TEMPERATURE: -65° C TO 165° 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



CABLE STRIP DIMENSIONS

4:1

DRAWING NO.			
C - 142-0304-011/020			
0 REVISIONS			
ENGINEERING RELEASE			
1	8-28-92	R H K B H	9-1-92 EGO 41222
VERSION UPDATE			
1a	4-18-95	R H K B H	4-26-95 ECN 43195
VERSION UPDATE			
1b	5-17-00	R H K B H	8-2-00 ECN 47110
ADDED: CONTACT CRIMP TOOL P/N'S			
REVISION NUMBER FOLLOWED BY JAN ALPHA			
CHARACTER INDICATES DRAWING CHANGE			
CAUTION ON PART NUMBER ADDITION ONLY			
1c	11-7-00	R H K B H	ECN 47319

CUSTOMER DRAWING

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

"μSTATION"

COMPANY CONFIDENTIAL

TOLERANCE UNLESS OTHERWISE SPECIFIED		DRAWN BY		DATE		JOHNSON	
DECIMALS	mm	TAK		5-14-92		Cinch Connectivity Solutions 299 Johnson Ave. Ste. 100 Worcester, MA 01093 1-800-347-8236	
.XX		CHECKED BY		DATE		TITLE	
.XXX REF		TAK		8-28-92		JACK ASSEMBLY STRAIGHT CABLED SMA, RG 316 DOUBLE SHIELDED	
MATL		APPROVED BY		DATE		CODE NO.	
FINISH		RJB		8-28-92		DRAWING NO.	
		RELEASE DATE		9-1-92		C - 142-0304-011/020	
		SCALE	10:1	U/N	INCH	SHEET 2 OF 2	