Excellent Integrated System Limited

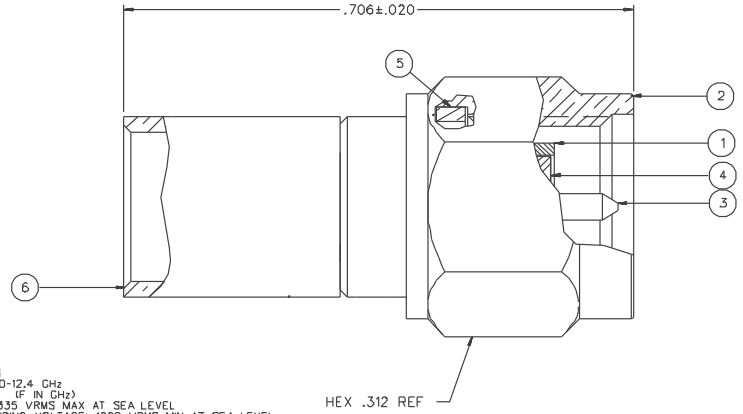
Stocking Distributor

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

Bel Fuse Inc.
142-0407-016

For any questions, you can email us directly:
sales@integrated-circuit.com

PART NUMBER	ITEM ① BODY	ITEM ② NUT	ITEM ③ CONTACT	ITEM ④ INSULATOR	ITEM ⑤ RETENTION SPRING	ITEM ⑥ CRIMP SLEEVE
142-0407-011	BRASS GOLD PL .00001 MIN OVER NICKEL PL .00005 MIN OVER COPPER PL .00005 MIN	BRASS GOLD PL .00001 MIN OVER NICKEL PL .00005 MIN OVER COPPER PL .00005 MIN	BRASS GOLD PL .00005 MIN OVER NICKEL PL .00005 MIN OVER COPPER PL .00005 MIN	TEFLON	BERYLLIUM COPPER UNPLATED	COPPER GOLD PL .00001 MIN OVER NICKEL PL .00005 MIN OVER COPPER PL .00005 MIN
142-0407-012	COPPER GOLD PL .00005 MIN OVER COPPER PL .00005 MIN	COPPER GOLD PL .00005 MIN OVER COPPER PL .00005 MIN	COPPER GOLD PL .00005 MIN OVER COPPER PL .00005 MIN	TEFLON	BERYLLIUM COPPER UNPLATED	COPPER GOLD PL .00005 MIN OVER COPPER PL .00005 MIN
142-0407-013	BRASS GOLD PL .00005 MIN OVER COPPER PL .00005 MIN	BRASS GOLD PL .00005 MIN OVER COPPER PL .00005 MIN	BRASS GOLD PL .00005 MIN OVER COPPER PL .00005 MIN	TEFLON	BERYLLIUM COPPER UNPLATED	COPPER GOLD PL .00005 MIN OVER COPPER PL .00005 MIN
142-0407-014	COPPER SILVER PL .00005 MIN OVER COPPER PL .000075 MIN	COPPER SILVER PL .00005 MIN OVER COPPER PL .000075 MIN	COPPER SILVER PL .00005 MIN OVER COPPER PL .000075 MIN	TEFLON	BERYLLIUM COPPER UNPLATED	COPPER SILVER PL .00005 MIN OVER COPPER PL .000075 MIN
142-0407-015	BRASS SILVER PL .00005 MIN OVER COPPER PL .000075 MIN	BRASS SILVER PL .00005 MIN OVER COPPER PL .000075 MIN	BRASS SILVER PL .00005 MIN OVER COPPER PL .000075 MIN	TEFLON	BERYLLIUM COPPER UNPLATED	COPPER SILVER PL .00005 MIN OVER COPPER PL .000075 MIN
142-0407-016	BRASS NICKEL PL .0001 MIN OVER COPPER PL .00005 MIN	BRASS NICKEL PL .0001 MIN OVER COPPER PL .00005 MIN	BRASS GOLD PL .00005 MIN OVER NICKEL PL .00005 MIN OVER COPPER PL .00005 MIN	TEFLON	BERYLLIUM COPPER UNPLATED	COPPER NICKEL PL .0001 MIN OVER COPPER PL .00005 MIN



NOTES:

1. SPECIFICATIONS:

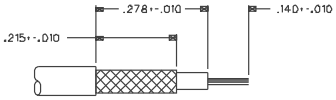
IMPEDANCE: 50 OHMS
FREQUENCY RANGE: 0-12.4 GHz
VSWR: 1.15+.01F MAX (F IN GHz)
WORKING VOLTAGE: 335 VRMS MAX AT SEA LEVEL
DIELECTRIC WITHSTANDING VOLTAGE: 1000 VRMS MIN AT SEA LEVEL
INSULATION RESISTANCE: 5000 MEGOHM MIN
CONTACT RESISTANCE:
CENTER CONTACT - INITIAL 3.0 MILLIOHM MAX, AFTER ENVIRONMENTAL 4.0 MILLIOHM MAX
OUTER CONDUCTOR - INITIAL 2.0 MILLIOHM MAX AFTER ENVIRONMENTAL NOT APPLICABLE
BODY TO CABLE - 0.5 MILLIOHM MAX (GOLD PLATED & SILVER PLATED) 5.0 MILLIOHM MAX (NICKEL PLATED)
CORONA LEVEL: 250 VOLTS MIN AT 70,000 FEET
INSERTION LOSS: .06 √F MAX (F IN GHz) AT 6 GHz
RF LEAKAGE: -60 DB MIN AT 2.5 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: 15 INCH-POUNDS MIN
COUPLING NUT RETENTION: 60 LBS MIN
CONTACT RETENTION: 6 LBS MIN AXIAL FORCE
CABLE ACCEPTABILITY: RG 58/U, RG 141/U RG 303/U,
CABLE HEX CRIMP SIZE: .213
CONTACT CRIMP TOOL: P/N 144-0000-910 WITH POSITIONER 141-0000-007
CABLE RETENTION: 40 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° 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 - 142-0407-011/020

0	REVISIONS		
	ENGINEERING RELEASE		
1	6-15-92	RHJ	6-30-92 ECO 4115
	ADDED: P/N 142-0407-011		
2	7-19-93	RHJ	7-22-93 ECO 4195.3
	VERSION UPDATE		
2a	4-20-95	RHJ	6-1-95 ECN 43206
	ADDED: P/N 142-0407-012		
2b	12-8-98	RHJ	ECN 46088
	CHANGED: 142-0407-012 AND -014 ITEMS 1, 2 AND 3 COPPER WAS BRASS		
2c	6-11-99	RHJ	ECN 46404
	ADDED: P/N 142-0407-013		
2d	2-22-00	RHJ	3-1-00 ECN 47002
	ADDED: P/N 142-0407-015		
2e	3-30-00	RHJ	4-4-00 ECN 47046
	VERSION UPDATE		
2f	5-30-00	RHJ	6-2-00 ECN 47098
	ADDED: CRIMP TOOL P/N'S		
	* REVISION NUMBER FOLLOWED BY AN ALPHA CHARACTER INDICATES DRAWING CLARIFICATION OR PART NUMBER ADDITION ONLY.		
2g	12-7-00	RHJ	ECN 47445

CUSTOMER DRAWING

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

"μSTATION"

COMPANY CONFIDENTIAL

TOLERANCE UNLESS OTHERWISE SPECIFIED DECIMALS / mm .XX .XXX MATL FINISH	DRAWN BY TAK	DATE 2-26-92
	CHECKED BY	DATE
	APPROVED BY TAK	DATE 6-25-92
	APPROVED BY RJB	DATE 6-26-92
	RELEASE DATE 6-30-92	

JOHNSON Cinch Connectivity Solutions 299 Johnson Ave, Ste. 100 Waseca, MN 56093 1-800-247-8256

TITLE: PLUG ASSEMBLY, STRAIGHT CABLED SMA, RG 58

CODE NO. | DRAWING NO. C - 142-0407-011/020

SCALE 10:1 | U/M INCH | SHEET 2 OF 2