

Excellent Integrated System Limited

Stocking Distributor

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

[Bel Fuse Inc.](#)
[142-0435-006](#)

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

ITEM - ①	ITEM - ②	ITEM - ③	ITEM - ④	ITEM - ⑤	ITEM - ⑥	DRAWING NO.
PART NUMBER	BODY	CONTACT	INSULATOR	CRIMP SLEEVE	COUPLING NUT	RETENTION SPRING
142-0435-001	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	COPPER 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	BERYLLIUM COPPER UNPLATED
142-0435-006	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	COPPER NICKEL PL .0001 MIN OVER COPPER PL .00005 MIN	BRASS NICKEL PL .0001 MIN OVER COPPER PL .00005 MIN	BERYLLIUM COPPER UNPLATED

NOTES:

I. SPECIFICATIONS:

IMPEDANCE: 50 OHMS
FREQUENCY RANGE: 0-12.4 GHz
VSWR: 1.10-.03 F 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), 5.0 MILLIOHM MAX (NICKEL PLATED)
CORONA LEVEL: 250 VOLTS MIN AT 70,000 FEET
INSERTION LOSS: .06 V/F MAX (F IN GHz) AT 1GHz
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: LMR-240 (TIMES MICROWAVE), RG-BX, HPF-240 (HARBOR INDUSTRIES), RF-240, 780BA (BELDEN), M17/221-0001
CABLE HEX CRIMP SIZE: .255
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 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

CABLE STRIP DIMENSIONS

4:1

TOLERANCE UNLESS OTHERWISE SPECIFIED		DRAWN BY	DATE
DECIMALS	mm	JRK	9-13-99
.XX	—	CHECKED BY	DATE
.XXX	—	JRK	10-29-99
MATL	—	APPROVED BY	DATE
—	—	RJB	11-1-99
FINISH	—	APPROVED BY	DATE
—	—	—	—
RELEASE DATE		11-4-99	

JOHNSON Cinch Connectivity Solutions 299 Johnson Ave. Ste. 100 Warren, MI 48093 1-800-247-8226		TITLE SMA PLUG ASSEMBLY, STRAIGHT CABLED, LMR-240
CODE NO.	DRAWING NO.	
C - 142-0435-001/010	C - 142-0435-001/010	
SCALE 10:1	U/M INCH	SHEET 2 OF 2

CUSTOMER DRAWING

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

"μSTATION"

COMPANY CONFIDENTIAL