Excellent Integrated System Limited

Stocking Distributor

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

Bel Fuse Inc.
142-0693-051

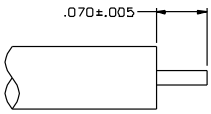
For any questions, you can email us directly:
sales@integrated-circuit.com

Distributor of Bel Fuse Inc.: Excellent Integrated System Limited
Datasheet of 142-0693-051 - SMA PLUG STR RG405
Contact us: sales@integrated-circuit.com Website: www.integrated-circuit.com

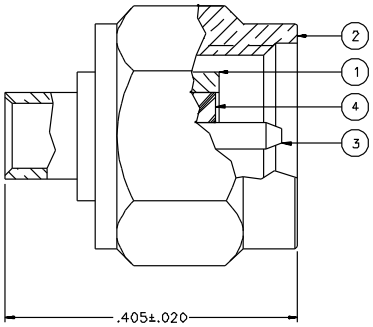
PART NUMBER	ITEM ① BODY	ITEM ② NUT	ITEM ③ CONTACT	ITEM ④ INSULATOR
142-0693-051	BRASS GOLD PL .00001 MIN OVER NICKEL PL .00005 MIN OVER COPPER PL .00005 MIN	BRASS GOLD PL .00001 MIN OVER NICKEL PL .00005 MIN OVER COPPER PL .00005 MIN	BRASS GOLD PL .00005 MIN OVER NICKEL PL .00005 MIN OVER COPPER PL .00005 MIN	TEFLON
142-0693-056	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

DRAWING NO.
C – 142-0693-051/060

0	REVISIONS			
ENGINEERING RELEASE				
1	8-7-92	RH	SARA	8-11-92 ECO 41146
VERSION UPDATE				
2	1-11-93	RH	SARA	1-18-93 ECO 41564
CHANGED: FREQ RANGE 0-26.5 GHZ WAS 0-18 GHZ ADDED: (0-18 GHZ) 1.35 MAX (18-26.5 GHZ) TO VSWR				
3	3-14-94	RH	SARA	ECO 42333



CABLE STRIP DIMENSIONS



NOTES:

1. SPECIFICATIONS:

IMPEDANCE: 50 OHMS
FREQUENCY RANGE: 0-26.5 GHZ
VSWR: 1.07+.008F MAX (F IN GHZ) (0-18 GHZ), 1.35 MAX (18-26.5 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
CORONA LEVEL: 250 VOLTS MIN AT 70,000 FEET
INSERTION LOSS: .03 √F (F IN GHZ) AT 10 GHZ
RF LEAKAGE: -90 DB MIN AT 2.5 GHZ
RF HIGH POTENTIAL WITHSTANDING VOLTAGE: 670 VRMS 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: NOT APPLICABLE
CABLE ACCEPTABILITY: RG 405 DIA .086 SEMI RIGID
CABLE HEX CRIMP SIZE: NOT APPLICABLE
CABLE RETENTION: 30 LBS MIN AXIAL FORCE
16 INCH-OUNCE MIN TORQUE
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 115 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

CUSTOMER DRAWING

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

"μSTATION"

COMPANY CONFIDENTIAL

TOLERANCE UNLESS OTHERWISE SPECIFIED DECIMALS .XX ___ .XXX ___ / mm ___ ___ MATL ___ FINISH ___	DRAWN BY VET	DATE 3-11-92	JOHNSON Cinch Connectivity Solutions Cinch Connectivity Solutions 299 Johnson Ave. Ste. 100 Waseca, MN 56093 1-800-247-8256
	CHECKED BY	DATE	TITLE PLUG ASSEMBLY ST CABLED, THREAD-ON NUT SMA, RG 405
	APPROVED BY VET	DATE 8-7-92	
	APPROVED BY RJB	DATE 8-7-92	CODE NO. / DRAWING NO. C – 142-0693-051/060
	RELEASE DATE 8-11-92		SCALE 10:1 / U/M INCH / SHEET 2 OF 2