

PART NUMBER	ITEM① BODY	ITEM ② CONTACT	ITEM③ INSULATOR	ITEM④ END CAP	REV	ECO	DATE
125-0593-101	BERYLLIUM COPPER GOLD PL .00005 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	BRASS GOLD PL .00001 MIN OVER NICKEL PL.00005 MIN OVER COPPER PL.00005 MIN	001	ECO-17-0028	2017/09/28

SPECIFICATION:

ELECTRICAL:

IMPEDANCE: 50 OHMS

FREQUENCY RANGE: 0-20GHz

VSWR: 1.10 MAX TO 10GHz, 1.25 MAX TO 20GHz

INSERTION LOSS: 0.12 $\sqrt{F}$ dB MAX (F IN GHz)

DIELECTRIC WITHSTANDING VOLTAGE: 325 VRMS MIN AT SEA LEVEL

INSULATION RESISTANCE: 5000 MEGOHM MIN

CONTACT RESISTANCE:

CENTER CONTACT - INITIAL 6 MILLIOHM MAX, AFTER
ENVIRONMENTAL NOT APPLICABLE

OUTER CONDUCTOR - INITIAL 2 MILLIOHM MAX, AFTER
ENVIRONMENTAL NOT APPLICABLE

RF LEAKAGE: -80dB TYPICAL AT 3GHz

MECHANICAL:

ENGAGEMENT FORCE: 4.5LBS TYPICAL

DISENGAGEMENT FORCE: 6.5LBS TYPICAL

CONTACT RETENTION: 1.5 LBS MIN AXIAL FORCE

DURABILITY: FD 100 CYCLES MIN; SB 500 CYCLES MIN

ENVIRONMENTAL:

OPERATING TEMPERATUR: -65 TO 165°C

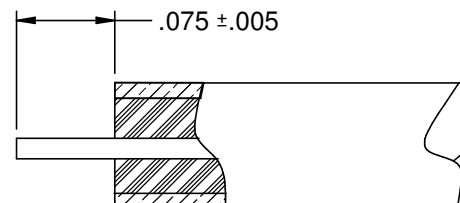
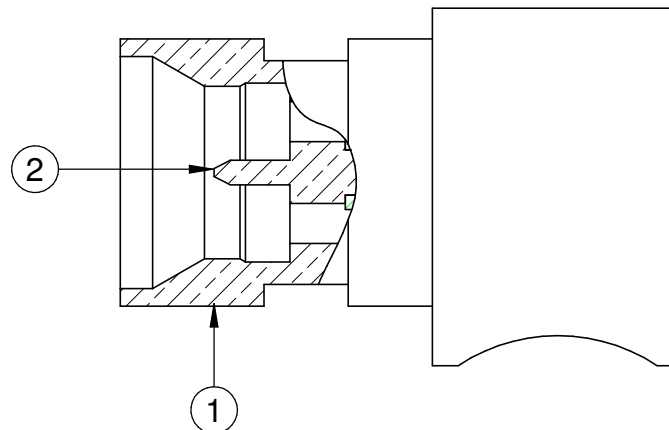
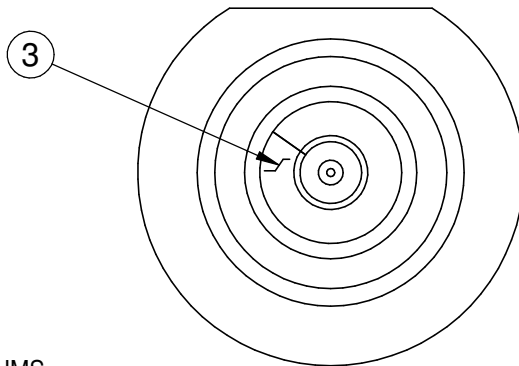
THERMAL SHOCK: MIL-STD-202, METHOD 107, CONDITION B

MECHANICAL SHOCK: MIL-STD-202, METHOD 213, CONDITION I

CORROSION: MIL-STD-202, METHOD 101

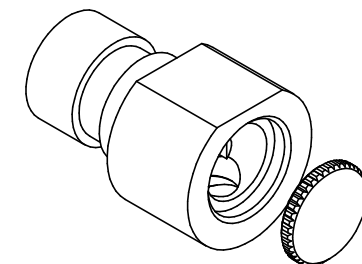
VIBRATION: MIL-STD-202, METHOD 204

MOISTURE RESISTANCE: MIL-STD-202, MEHTOD 106, EXCEPT STEP 7B

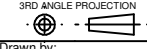


CABLE STRIP DIMENSION

10:1



5:1

 This PROPRIETARY Document is property of Cinch Connectivity Solutions. It is confidential in nature, non-transferable, and issued with the clear understanding that it is not to be used or copied without permission and is returnable upon demand. INTERPRET DRAWING IN ACCORDANCE WITH ASME Y14.5-2009.	Model No. 125-0593-101		JOHNSON			
	RoHS2 ☒ 2011/65/EU	Cage Code	Title: SMPM MALE FULL DETENT SR .086" R/A			
	UNLESS OTHERWISE SPECIFIED: UNITS: INCH .XX ±.01 .XXX ±.003 .XXXX ±.0010 ANGLES ±1'00'	3RD ANGLE PROJECTION 	Drawn by: R.SHEN	Drawing No. 125-0593-101		Rev. 1
	Date: 9/8/2016	Size A	DO NOT SCALE DRAWING	Workmanship Std: /	Sheet 1 of 1	

Mouser Electronics

Authorized Distributor

Click to View Pricing, Inventory, Delivery & Lifecycle Information:

[Cinch Connectivity Solutions:](#)

[125-0593-101](#)