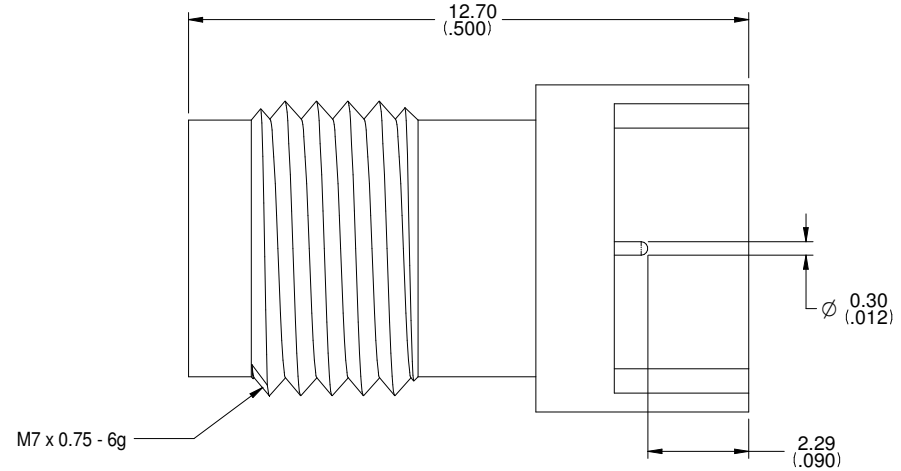
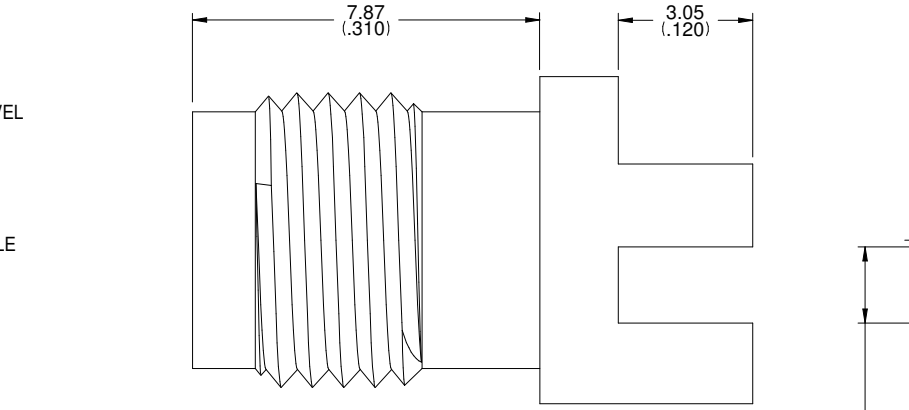
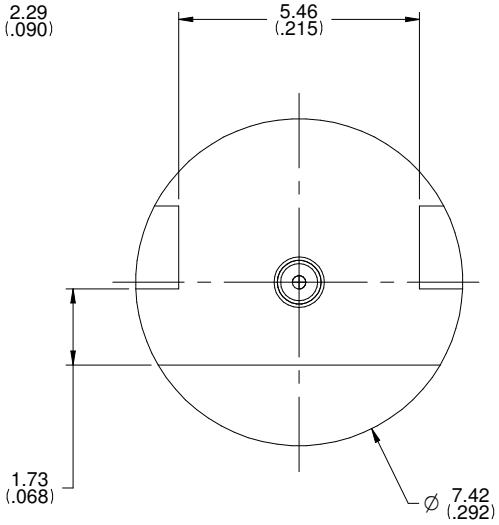
MODEL NUMBER
147-0701-241

REV	ECO	DATE
1	ECO-19-0031	7/25/2019
2	EC-2202008	2/21/2022
3	EC-2207015	7/28/2022







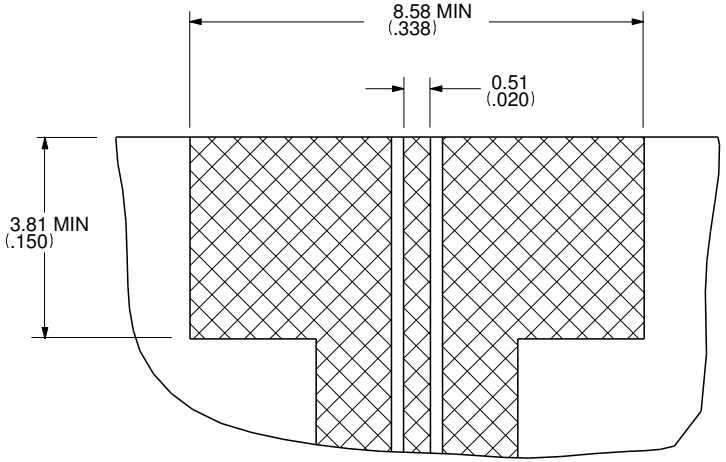
SPECIFICATION:

ELECTRICAL:
- IMPEDANCE: 50 OHMS
- FREQUENCY RANGE: 0-50 GHz
- VSWR: 1.5 MAX
- INSERTION LOSS: 0.05 √F dB MAX (F IN GHz)
- WORKING VOLTAGE: 150 VRMS MAX AT SEA LEVEL
- DIELECTRIC WITHSTANDING VOLTAGE: 500VRMS MIN AT SEA LEVEL
- INSULATION RESISTANCE: 5000 MEGOHM MIN
- CONTACT RESISTANCE:
  - CENTER CONTACT - INITIAL 4 MILLIOHM MAX, AFTER ENVIRONMENTAL NOT APPLICABLE
  - OUTER CONDUCTOR - INITIAL 2.5 MILLIOHM MAX, AFTER ENVIRONMENTAL NOT APPLICABLE
- RF LEAKAGE: -90dB TYPICAL AT 2.5GHz

MECHANICAL:
- COUPLING TORQUE RECOMMENDED: 0.8 Nm TO 1.1 Nm
- COUPLING TEST TORQUE: 1.65 Nm
- DURABILITY: 500 CYCLES MIN

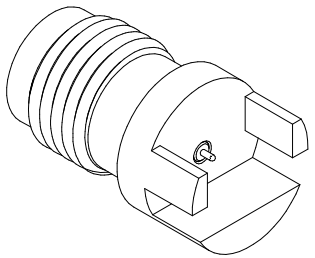
ENVIRONMENTAL:
- OPERATING TEMPERATUR: -40 TO 85℃
- THERMAL SHOCK: IEC 61169-1, SUBCLAUSE 9.4.4
- CORROSION: IEC 61169-1, SUBCLAUSE 9.4.6
- SHOCK: IEC 61169-1, SUBCLAUSE 9.3.14
- VIBRATION: IEC 61169-1, SUBCLAUSE 9.3.3
- MOISTURE RESISTANCE: IEC 61169-1, SUBCLAUSE 9.4.3

MATERIAL AND FINISH:
- BODY: GOLD PLATED BRASS
- CENTER CONTACT: GOLD PLATED BERYLLIUM COPPER
- INSULATOR: PTFE (TEFLON)



RECOMMENDED PCB LAYOUT

NOTE: THIS PATTERN IS FOR REFERENCE ONLY. PATTERN MAY VARY DEPENDING ON ASSEMBLY PROCESS, BOARD TYPE, OR SPECIFIC ELECTRICAL OR MECHANICAL REQUIREMENTS.



cinch	Material: SEE NOTE	Model No. 147-0701-241	JOHNSON
		RoHS2 2011/65/EU	Title: 2.4mm END LAUNCH JACK FOR .062" BOARD DIA .012" PIN
	Finish: SEE NOTE	Cage Code	Drawing No. 147-0701-241 Rev: 3
		Drawn By: TOMMY REN	
		Date: 2/21/2022	Size: C DO NOT SCALE DRAWING Sheet 1 of 1

Please read our datasheet & drawing disclaimer here.