PART NUMBER
138-0414-001

REV	ECO	DATE
1	INITIAL RELEASE	05MAR2021

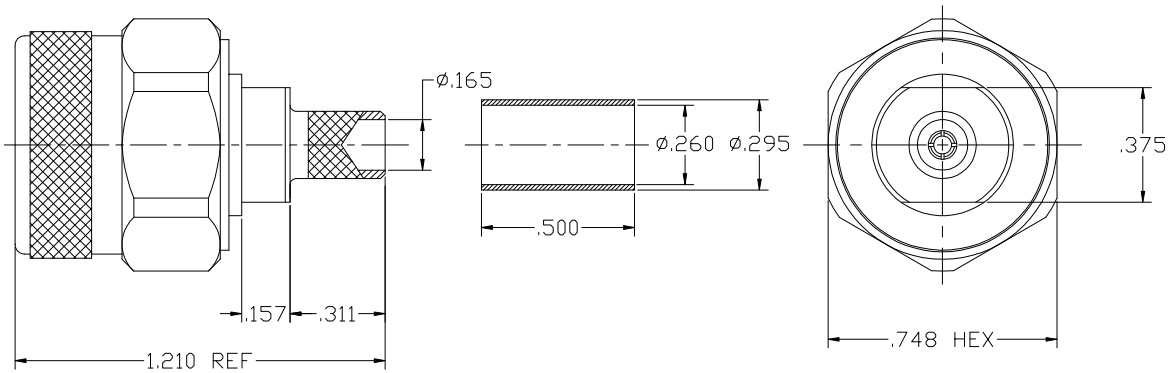
NOTES:

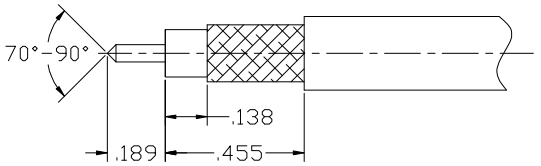
1. MATERIAL AND FINISH:
   - 1.1 BODY: BRASS, NICKEL PLATE
   - 1.2 CONTACT: PHOSPHOR BRONZE, GOLD PLATE
   - 1.3 INSULATOR: PTFE
   - 1.4 GASKET: SILICONE RUBBER, RED
   - 1.5 COUPLING NUT: BRASS, NICKEL PLATE
   - 1.6 FERRULE: BRASS, NICKEL PLATE

2. ELECTRICAL SPECIFICATIONS:
   - 2.1 IMPEDANCE: 50 OHMS NOMINAL
   - 2.2 FREQUENCY RANGE: DC~3.0 GHz
   - 2.3 VSWR: 1.30 MAX
   - 2.4 INSERTION LOSS: 0.1 dB MAX
   - 2.5 VOLTAGE RATING: 550 VRMS MAX
   - 2.6 DIELECTRIC WITHSTANDING VOLTAGE: 1000 VRMS MIN
   - 2.7 INSULATION RESISTANCE: 5000 MEGOHM MIN
   - 2.8 CONTACT RESISTANCE:
     - 2.8.1 CENTER CONTACT – 3.0 MILLIOHM MAX
     - 2.8.2 OUTER CONDUCTOR – 1.0 MILLIOHM MAX

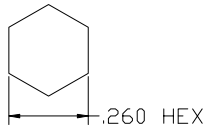
3. MECHANICAL SPECIFICATIONS:
   - 3.1 ENGAGE/DISENGAGE: 2.0 LBS MAX
   - 3.2 COUPLING NUT TORQUE: 12–15 IN.LBS
   - 3.3 DURABILITY: 500 CYCLES MIN
   - 3.4 CONTACT RETENTION: 6.0 LBS MIN

4. ENVIRONMENTAL:
   (MEETS OR EXCEEDS THE APPLICABLE PARAGRAPH OF MIL-PRF-39012)
   - 4.1 THERMAL SHOCK: MIL-STD-202, METHOD 107, CONDITION B
     EXEPT 200°C HIGH TEMP
   - 4.2 OPERATING TEMPERATURE: -65°C TO 165°C
   - 4.3 MOISTURE RESISTANCE: MIL-STD-202, METHOD 106, LESS STEP 7b
   - 4.4 MECHANICAL SHOCK: MIL-STD-202, METHOD 213, CONDITION I
   - 4.5 VIBRATION: MIL-STD-202, METHOD 204, CONDITION D
   - 4.6 CORROSION: MIL-STD-202, METHOD 101, CONDITION B





RECOMMENDED CABLE
STRIPPING DIMENSIONS



RECOMMENDED CRIMPING
DIMENSIONS FOR FERRULE

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INTERPRET DRAWING IN ACCORDANCE WITH ASME Y14.5-2009.

Model No: 138-0414-001/010

RoHS ☑ (EU)/2015/863 COMPLIANT

Cage Code

3RD ANGLE PROJECTION

UNLESS OTHERWISE SPECIFIED UNITS: INCH
.XXX±.008
.XXXX±.004
ANGLES±5°

Drawn by: BILL PENG

Date: 03/05/2021

JOHNSON

Title: N-TYPE STRIGHT PLUG FOR LMR-240 CABLE

Drawing No. 138-0414-001/010 REV. 1

Size B | DO NOT SCALE DRAWING | Workmanship Std: NONE | Sheet 1 OF 1

Please read our datasheet & drawing disclaimer here.