

Customer Information Sheet

DRAWING No.: M80-305 TO M80-307 SHEET 2 OF 2 IF IN DOUBT - ASK (C) NOT TO SCALE THIRD ANGLE PROJECTION ALL DIMENSIONS IN mm

SPECIFICATIONS:

MATERIALS:
 BODY, SLEEVE, INNER CONTACT AND LATCHING COLLAR = COPPER ALLOY
 INSULATOR = PTFE

FINISH:
 BODY, SLEEVE, INNER CONTACT = GOLD
 LATCHING COLLAR = NICKEL

ELECTRICAL:
 FREQUENCY RANGE = 6GHz
 IMPEDANCE = 50Ω
 V.S.W.R. = $1.05 + (0.04 \times \text{FREQUENCY}) \text{ GHz MAX}$
 CONTACT RESISTANCE = $6m\Omega \text{ MAX}$

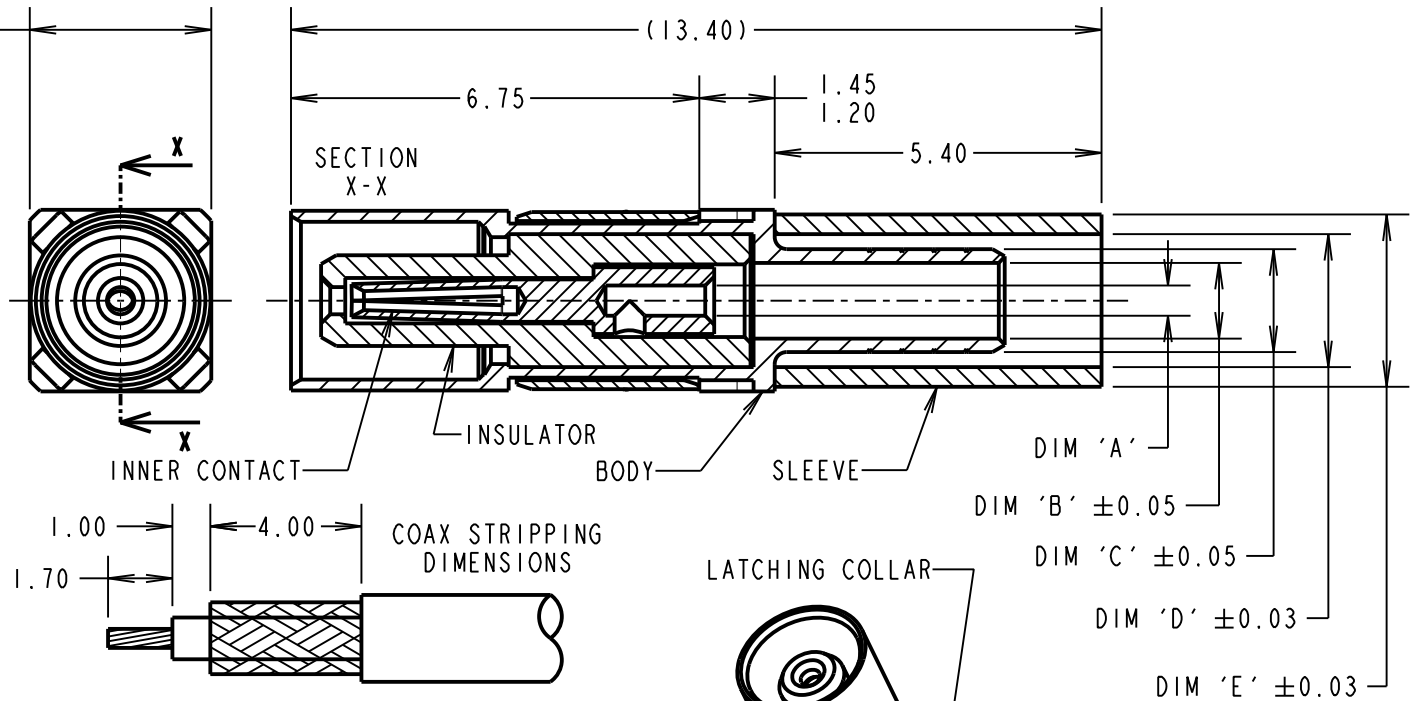
INSULATION RESISTANCE = $10^6 m\Omega @ 250V \text{ AC}$
 OPERATING VOLTAGE = $180V \text{ AC} @ 500mA$
 MAXIMUM VOLTAGE = $1,000V \text{ AC}$

MECHANICAL:
 DURABILITY = 500 OPERATIONS
 INSERTION FORCE = 8N MAX
 WITHDRAWAL FORCE = 0.5N MIN
 CONTACT REPLACEMENT IN INSULATOR = 5 TIMES

ENVIRONMENTAL:
 TEMPERATURE RANGE = -55°C TO $+125^\circ\text{C}$

- NOTES:**
- CONNECTOR COMES SUPPLIED AS A KIT OF PARTS: BODY, INSULATOR, AND LATCHING COLLAR ARE PRE-ASSEMBLED, SLEEVE AND INNER CONTACT ARE SEPARATE.
 - RECOMMENDED HAND CRIMP TOOL FOR INNER CONTACT = Z80-292 WITH POSITIONER Z80-291. RECOMMENDED HAND CRIMP TOOL AND DIE SET FOR SLEEVE = Z80-293.
 - CONTACT EXTRACTION TOOL = Z80-290
 - FOR ALL OTHER ELECTRICAL/MECHANICAL REQUIREMENTS, SEE COMPONENT SPECIFICATION C005XX (LATEST ISSUE).

$3.00 \begin{smallmatrix} 0 \\ -0.10 \end{smallmatrix}$
 SQUARE



PART No.	CABLE DIAMETER (TYPE)	DIM 'A'	DIM 'B'	DIM 'C'	DIM 'D'	DIM 'E'
M80-305	$\varnothing 2.0\text{mm}$ (RG178)	$\varnothing 0.50 \pm 0.05$	$\varnothing 1.25$	$\varnothing 1.70$	$\varnothing 2.20$	$\varnothing 2.85$
M80-306	$\varnothing 2.4\text{mm}$ (PTFE CELLULAR)	$\varnothing 0.35 +0.05/-0$	$\varnothing 1.25$	$\varnothing 1.70$	$\varnothing 2.70$	$\varnothing 3.20$
M80-307	$\varnothing 2.7\text{mm}$ (RG174, 179, 316)	$\varnothing 0.70 \pm 0.05$	$\varnothing 1.75$	$\varnothing 2.35$	$\varnothing 2.85$	$\varnothing 3.50$

MGP	6	03.01.13	11898
NAME	ISS.	DATE	C/NOTE
APPROVED: MGP			
CHECKED: SB			
DRAWN: W. J. BOURNE			
CUSTOMER REF.:			
ASSEMBLY DRG:			

HARWIN

www.harwin.com
 technical@harwin.com

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TOLERANCES
 X. = $\pm 1\text{mm}$
 X.X = $\pm 0.25\text{mm}$
 X.XX = $\pm 0.10\text{mm}$
 X.XXX = $\pm 0.01\text{mm}$
 ANGLES = $\pm 5^\circ$
 UNLESS STATED

MATERIAL:
 SEE ABOVE
FINISH: SEE ABOVE
S/AREA: mm²

TITLE: DATAMATE MIX-TEK
 COAX CONTACT
 FEMALE STRAIGHT CRIMP

DRAWING NUMBER:
 M80-305 TO M80-307

SHT
 2 OF 2