

# Customer Information Sheet

DRAWING No.: M80-315 TO M80-317

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

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

### MECHANICAL:

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

### ENVIRONMENTAL:

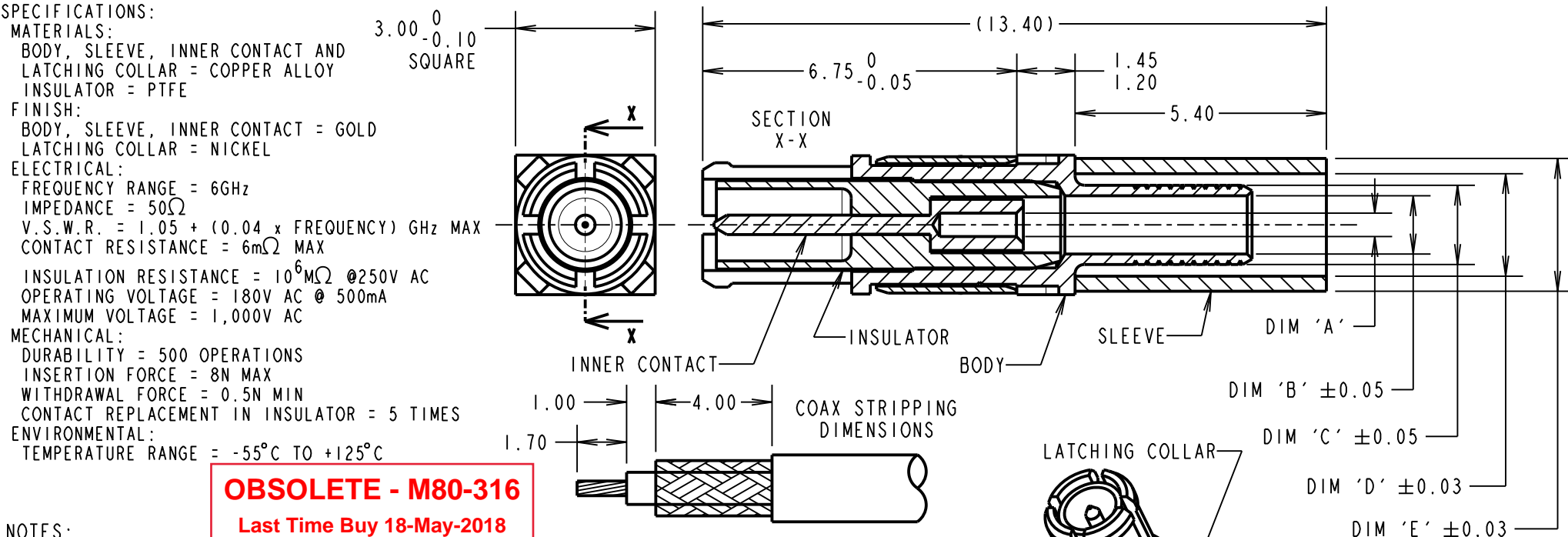
TEMPERATURE RANGE =  $-55^\circ\text{C TO } +125^\circ\text{C}$

## 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).

**OBSOLETE - M80-316**

**Last Time Buy 18-May-2018**



DIM 'A'  
DIM 'B'  $\pm 0.05$   
DIM 'C'  $\pm 0.05$   
DIM 'D'  $\pm 0.03$   
DIM 'E'  $\pm 0.03$

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

PART No.	CABLE DIAMETER (TYPE)	DIM 'A'	DIM 'B'	DIM 'C'	DIM 'D'	DIM 'E'
M80-315	$\varnothing 2.0\text{mm}$ (RG178)	$\varnothing 0.50 \pm 0.05$	$\varnothing 1.25$	$\varnothing 1.70$	$\varnothing 2.20$	$\varnothing 2.85$
<del>M80-316</del>	<del><math>\varnothing 2.4\text{mm}</math> (PTFE CELLULAR)</del>	<del><math>\varnothing 0.35 \pm 0.05 / 0</math></del>	<del><math>\varnothing 1.25</math></del>	<del><math>\varnothing 1.70</math></del>	<del><math>\varnothing 2.70</math></del>	<del><math>\varnothing 3.20</math></del>
M80-317	$\varnothing 2.7\text{mm}$ (RG174, 179, 316)	$\varnothing 0.70 \pm 0.05$	$\varnothing 1.75$	$\varnothing 2.35$	$\varnothing 2.85$	$\varnothing 3.50$

# HARWIN

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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:

mm<sup>2</sup>

TITLE: DATAMATE MIX-TEK  
COAX CONTACT  
MALE STRAIGHT CRIMP

DRAWING NUMBER:

**M80-315 TO M80-317**

SHT  
2 OF 2

# Mouser Electronics

Authorized Distributor

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