

Customer Information Sheet

DRAWING No.: P1113XX3

SHEET 2 OF 2

IF IN DOUBT - ASK

(C)

NOT TO SCALE

THIRD ANGLE PROJECTION

ALL DIMENSIONS IN mm

SPECIFICATIONS:

MATERIAL:

PLUNGER = P1113CA3, P1113CV3 = BRASS
P1113SS3 = HIGH CARBON STEEL

BARREL = BRASS

SPRING = SPRING STEEL

FINISH:

PLUNGER:

P1113CA3, P1113CV3 = 0.25µ MIN GOLD
OVER 2.0µ MIN NICKEL

P1113SS3 = 2.0µ MIN NICKEL OVER

BARREL = 0.25µ MIN GOLD OVER 0.5µ COPPER

SPRING = GOLD PLATED

ELECTRICAL:

CURRENT RATING = 2A MAX

CONTACT RESISTANCE = 50mΩ MAX

MECHANICAL:

DURABILITY = 100,000 CYCLES

FULL TRAVEL = 3.18mm

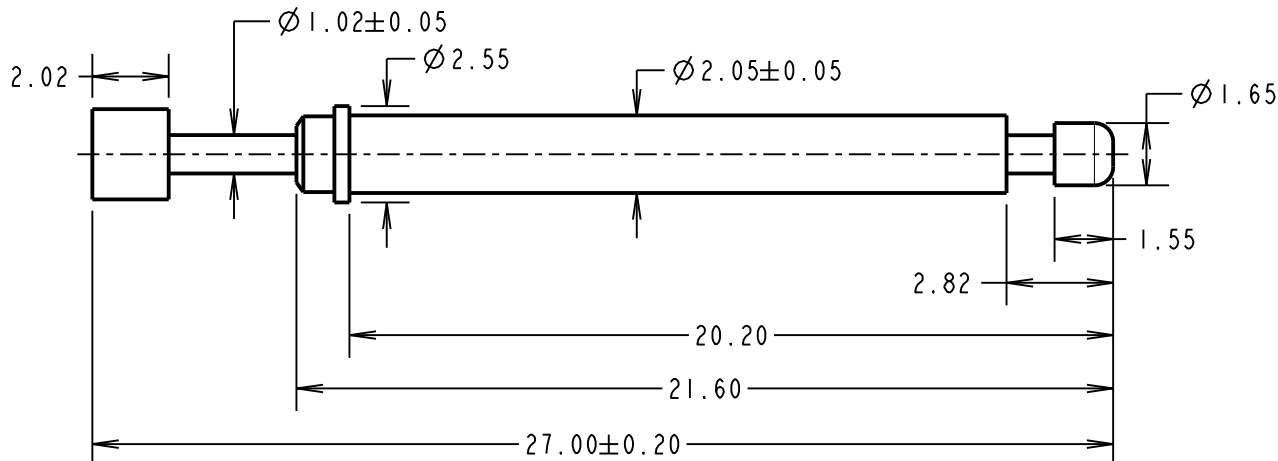
SPRING FORCE:

FULL TRAVEL = 0.75N ±0.25N (76.5g ±33%)

2.20mm TRAVEL = 0.54N ±0.11N (55g ±20%)

ENVIRONMENTAL:

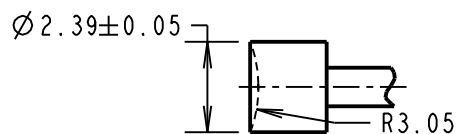
TEMPERATURE RANGE = -40°C TO +180°C



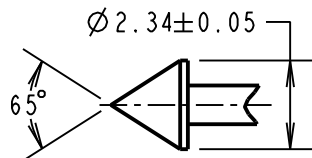
NOTES:

1. RECOMMENDED CLEARANCE HOLE SIZE = $\varnothing 2.20 \pm 0.05$ mm.
RECOMMENDED INTERFERENCE HOLE SIZE = $\varnothing 2.00$ mm.
2. SUITABLE FOR A MINIMUM DISTANCE BETWEEN CENTRES OF 3.00mm.
3. THIS PART IS SIMILAR TO P1113XX2 APART FROM POWER RATING THAT WAS 5A MAX AND MATERIAL / FINISH OF SPRING AND PLUNGER VARIANT P1113SS3.

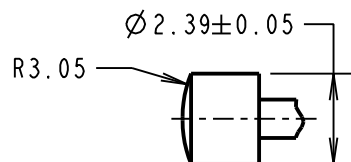
PROBE HEAD VARIANTS



CONCAVE RADIUS HEAD
P1113CA3



CONVEX HEAD
P1113SS3



CONVEX RADIUS HEAD
P1113CV3

ORDER CODE:

P1113XX3

PROBE HEAD
VARIANT (SEE BELOW)

SB	6	08.11.17	20842
NAME	ISS.	DATE	C/NOTE
APPROVED:		S.BENNETT	
CHECKED:		M.PLESTED	
DRAWN:		M. G. PLESTED	
CUSTOMER REF.:			
ASSEMBLY DRG:			

HARWIN

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TOLERANCES

X. = ±1mm
X.X = ±0.50mm
X.XX = ±0.10mm
X.XXX = ±0.01mm

ANGLES = ±5°

UNLESS STATED

MATERIAL:

SEE ABOVE

FINISH: SEE ABOVE

S/AREA: mm²

TITLE:

3.00mm MIN. CENTRE
ONE-PIECE SPRING PROBE

DRAWING NUMBER:

P1113XX3

SHT
2 OF 2

Mouser Electronics

Authorized Distributor

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

Harwin:

[P1113SS3](#) [P1113CA3](#) [P1113CV3](#)