

R_{25C}:82 DHMS +/-5%
 PTC: .7%/C
 OPERATING RANGE:-55 TO 100 C
 STORAGE RANGE:-65 TO 150 C
 *THERMAL TIME CONSTANT:30 SEC. MAX.
 *DISSIPATION CONSTANT:2.5 MW/C MIN.
 POWER RATING: .25W@25 C, DERATE TO 100
 *As tested per MIL-R-23648. May vary dependent on mounting

FIG. 1: PERFORMANCE CHARACTERISTICS

TEMP (C)	RESISTANCE MULTIPLIER	RESISTANCE TOLERANCE
-55	:500	20
-15	:730	13
0	:820	7
25	1:100	5
50	1:118	7
75	1:137	9
100	1:158	12

FIG. 2: R-T CHARACTERISTICS

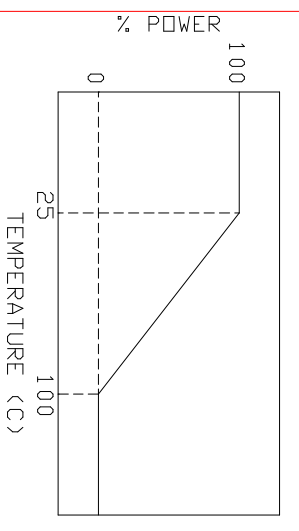


FIG. 3: POWER DERATING CURVE

DEVICE IS NOT SUITABLE FOR MOUNTING ON FLEXIBLE SUBSTRATES OR WHERE LOADS ARE PLACED ON THE TERMINATION.

SOLDERING RECOMMENDATIONS:

HAND SOLDERING IS NOT RECOMMENDED, HOWEVER IF NEEDED SOLDERING IRON TIP SHALL NOT EXCEED 250 C
 MAXIMUM TEMPERATURE DIFFERENCE BETWEEN SOLDER AND THERMISTOR SHALL BE 150 C
 MAXIMUM TEMPERATURE DIFFERENCE BETWEEN SOLVENT FOR IMMERSION AND THERMISTOR SHALL BE 150 C
 RECOMMENDED REFLOW PEAK=220 TO 230 C, 10 SECONDS MAX.

FIG. 4: SOLDER RECOMMENDATIONS

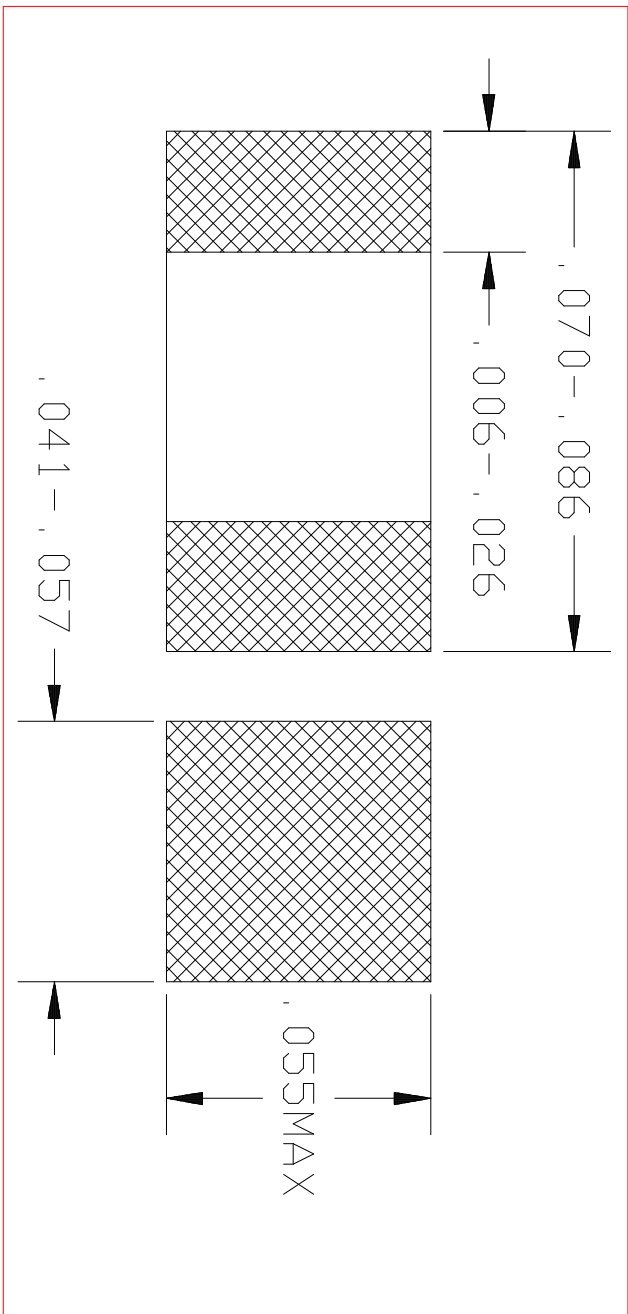
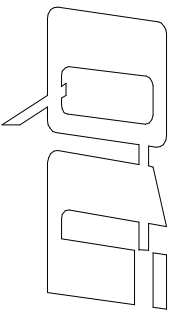


FIG. 5: DIMENSIONS (INCHES)

DRAWING NUMBER- QT0805-820J REV. -

DESCRIPTION- PTC SMD, 82 DHM, 5%

DRG _____
 QA _____
 PRD _____
 ENG _____



TOLERANCES
 X=0, 1
 XX=0, 02
 XXX=0, 010

QUALITY THERMISTOR, BOISE IDAHO
 SPECIFICATION CONTROL DRAWING
 SCALE-NONE
 DRAWING DATE- 4-19-00

SHEET 1 OF 1