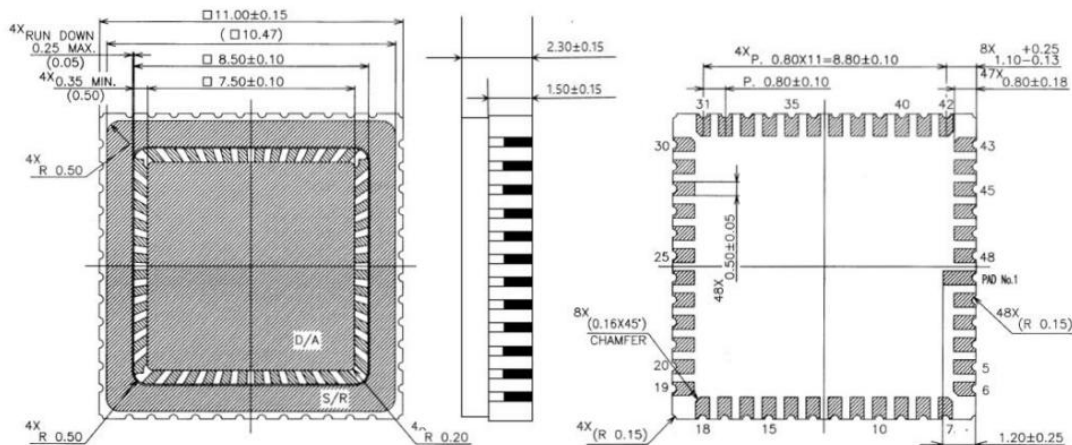


High precision MEMS accelerometer

Performance	Units	HT-MC-01	HT-MC-02	HT-MC-03
Input range	g	4	30-50	70-100
Bandwidth (adjustable)	Hz	200	200	200
Bias Stability 10s smooth 1 sigma	ug	10	100	200
Bias Repeatability(1 month)	ug	200	500	1000
Bias Temp Sensitivity	ug/°C	300	500	1000
Scale Factor nonlinearity	Ppm	<1000	2000	<2000
Scale Factor Repeatability(1 month)	Ppm	<200	<300	<300
Scale Factor Temp Sensitivity	ppm/°C	20	30	50
Second-order nonlinearity	ug/g ²	250	100	100
Resolution	ug	0.5	4	8
Start time	s	<1	<1	<1
Sampling frequency	Hz	2000	2000	2000
Shock	g	10000	10000	10000
Vibration Rectification (6grms)	mg/grms	<5	<1	<1
Work Temp	°C	-45-85	-45-85	-45-85
Voltage	V	5 ± 0.25	5 ± 0.25	5 ± 0.25
Current	ma	15	15	15
Size	mm	11.00*11.00*2.50		



- NOTES:
- PLATING (ELECTROLYTIC):
Ni : 1.27~8.89 MICRON.
Au : 0.50 MICRON MIN.
 - BAKING TEST :
350 +10/-0°C FOR 180 +30/-0 SECONDS IN OVEN.
 - WIRE BOND PAD CONNECTED TO CORRESPONDED OUTER PAD.
 - MISALIGNMENT OF METALLIZATION PATTERN IN CAVITY SHALL BE ACCEPTED DUE TO LAYER MISALIGNMENT.
 - SEAL RING TO BE ELECTRICALLY CONNECTED TO PAD No.42.
 - DIE ATTACH PAD TO BE ELECTRICALLY CONNECTED TO PAD No.18.