



# Icuc Corporation Japan

## SNR ML7007CVUJ84S PRECISION BALL BEARINGS

Bearing No. ML7007CVUJ84S

d	35 mm
D	62 mm
B	14 mm
d1	43.2 mm
d2	40.9 mm
D1	54.31 mm
D2	56.71 mm
a	14 mm
Contact angle	17 °
rs min	1 mm
r1s min	0.6 mm
f0	7.97
Precision class	P4S
Mass	0.15 kg
Dynamic load, C	10.4 kN
Static load, C0	6.1 kN
Fatigue limit load, Cu	0.37 kN
Nlim (oil)	45,000 rpm
Nlim (grease)	33,000 rpm
Axial displacement K Factor	1.32
Preload level	8
Preload value	0.16 kN
Axial rigidity	61 N/ μ m
Radial rigidity	287 N/ μ m
Min operating temperature, Tmin	-30 ° C

ML7007CVUJ84S Bearing 2D drawings and 3D CAD models



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Max operating temperature, Tmax	120 ° C
Characteristic cage frequency, FTF	0.44 Hz
Characteristic rolling element frequency, BSF	7.33 Hz
Characteristic outer ring frequency, BPF0	8.72 Hz
Characteristic inner ring frequency, BRFI	11.28 Hz
da min	40.5 mm
db min	40.5 mm
Da max	56.5 mm
Db max	56.5 mm
r1a max	0.6 mm
ra max	1 mm
D6	45.5 mm