



# Icuc Corporation Japan

## SNR ML71910CVUJ84S Precision Ball Bearings

Bearing No. ML71910CVUJ84S

d	50 mm
D	72 mm
B	12 mm
d1	56.8 mm
d2	54.7 mm
D1	66.01 mm
D2	67.51 mm
a	15 mm
Contact angle	17 °
rs min	0.6 mm
r1s min	0.3 mm
f0	8.61
Precision class	P4S
Mass	0.13 kg
Dynamic load, C	7.5 kN
Static load, C0	5.6 kN
Fatigue limit load, Cu	0.34 kN
Nlim (oil)	36,000 rpm
Nlim (grease)	26,000 rpm
Axial displacement K Factor	1.11
Preload level	8
Preload value	0.11 kN
Axial rigidity	64 N/ μ m
Radial rigidity	303 N/ μ m
Min operating temperature, Tmin	-30 ° C
Max operating temperature,	120 ° C

ML71910CVUJ84S Bearing 2D drawings and 3D CAD models



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Tmax	
Characteristic cage frequency, FTF	0.46 Hz
Characteristic rolling element frequency, BSF	12.46 Hz
Characteristic outer ring frequency, BPF0	13.86 Hz
Characteristic inner ring frequency, BRFI	16.14 Hz
da min	54.5 mm
db min	54.5 mm
Da max	67.5 mm
Db max	67.5 mm
r1a max	0.3 mm
ra max	0.6 mm
D6	58.3 mm