



# Icuc Corporation Japan

## SNR ML71912HVUJ84S super-precision Angular contact ball bearings

Bearing No. ML71912HVUJ84S

d	60 mm
D	85 mm
B	13 mm
d1	68.1 mm
d2	66.15 mm
D1	78.71 mm
D2	80.31 mm
a	23 mm
Contact angle	25 °
rs min	1 mm
r1s min	0.3 mm
f0	8.68
Precision class	P4S
Mass	0.19 kg
Dynamic load, C	9.8 kN
Static load, C0	7.8 kN
Fatigue limit load, Cu	0.44 kN
Nlim (oil)	27,000 rpm
Nlim (grease)	18,500 rpm
Axial displacement K Factor	0.56
Preload level	8
Preload value	0.24 kN
Axial rigidity	160 N/ μ m
Radial rigidity	346 N/ μ m
Min operating temperature, Tmin	-30 ° C

ML71912HVUJ84S Bearing 2D drawings and 3D CAD  
models



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Max operating temperature, Tmax	120 ° C
Characteristic cage frequency, FTF	0.46 Hz
Characteristic rolling element frequency, BSF	12.84 Hz
Characteristic outer ring frequency, BPF0	14.88 Hz
Characteristic inner ring frequency, BRFI	17.12 Hz
da min	65.5 mm
db min	65.5 mm
Da max	79.5 mm
Db max	79.5 mm
r1a max	0.3 mm
ra max	1 mm
D6	70 mm