



Icuc Corporation Japan

SNR ML7006CVUJ84S Super Precision Bearings

Bearing No. ML7006CVUJ84S

d	30 mm
D	55 mm
B	13 mm
d1	38.1 mm
d2	36.15 mm
D1	48.55 mm
D2	50.15 mm
a	13 mm
Contact angle	17 °
rs min	1 mm
r1s min	0.6 mm
f0	7.98
Precision class	P4S
Mass	0.11 kg
Dynamic load, C	8.1 kN
Static load, C0	4.7 kN
Fatigue limit load, Cu	0.27 kN
Nlim (oil)	52,000 rpm
Nlim (grease)	38,000 rpm
Axial displacement K Factor	1.38
Preload level	8
Preload value	0.12 kN
Axial rigidity	53 N/ μ m
Radial rigidity	250 N/ μ m
Min operating temperature, Tmin	-30 ° C

ML7006CVUJ84S 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	7.38 Hz
Characteristic outer ring frequency, BPF0	8.73 Hz
Characteristic inner ring frequency, BPF1	11.27 Hz
da min	35.5 mm
db min	35.5 mm
Da max	49.5 mm
Db max	49.5 mm
r1a max	0.6 mm
ra max	1 mm
D6	40.1 mm