



BEARINGS(UK)LTD.

30 mm x 55 mm x 13 mm SNR
ML7006HVUJ84S High precision angular contact
ball bearings

Bearing No. ML7006HVUJ84S

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	16 mm
Contact angle	25 °
rs min	1 mm
r1s min	0.6 mm
f0	8.06
Precision class	P4S
Mass	0.11 kg
Dynamic load, C	7.8 kN
Static load, C0	4.5 kN
Fatigue limit load, Cu	0.27 kN
Nlim (oil)	46,000 rpm
Nlim (grease)	32,000 rpm
Axial displacement K Factor	0.76
Preload level	8
Preload value	0.2 kN
Axial rigidity	111 N/ μ m
Radial rigidity	237 N/ μ m
Min operating temperature,	-30 ° C

ML7006HVUJ84S Bearing 2D drawings and 3D CAD
models



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Tmin	
Max operating temperature, Tmax	120 ° C
Characteristic cage frequency, FTF	0.44 Hz
Characteristic rolling element frequency, BSF	7.4 Hz
Characteristic outer ring frequency, BPF0	8.79 Hz
Characteristic inner ring frequency, BRF1	11.21 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