



Icuc Corporation Japan

SNR MLE7004HVUJ84S Super Precision Bearings

Bearing No. MLE7004HVUJ84S

d	20 mm
D	42 mm
B	12 mm
d1	26.6 mm
d2	24.65 mm
D1	37.05 mm
D2	38.65 mm
a	13 mm
Contact angle	25 °
rs min	0.6 mm
r1s min	0.3 mm
f0	7.52
Precision class	P4S
Mass	0.06 kg
Dynamic load, C	6.3 kN
Static load, C0	2.95 kN
Fatigue limit load, Cu	0.19 kN
Nlim (grease)	44,000 rpm
Axial displacement K Factor	0.96
Preload level	8
Preload value	0.16 kN
Axial rigidity	81 N/ μ m
Radial rigidity	173 N/ μ m
Min operating temperature, Tmin	-20 ° C
Max operating temperature,	120 ° C

MLE7004HVUJ84S Bearing 2D drawings and 3D CAD models



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Tmax	
Characteristic cage frequency, FTF	0.42 Hz
Characteristic rolling element frequency, BSF	5.28 Hz
Characteristic outer ring frequency, BPF0	5.83 Hz
Characteristic inner ring frequency, BRFI	8.17 Hz
da min	24.5 mm
db min	24.5 mm
Da max	37.5 mm
Db max	37.5 mm
r1a max	0.3 mm
ra max	0.6 mm
D6	28.6 mm