



BEARING-SINGAPORE (PTE)LTD.



ML7004CVUJ74S Bearing 2D drawings and 3D CAD models

20 mm x 42 mm x 12 mm SNR
ML7004CVUJ74S angular contact ball bearings

Bearing No. ML7004CVUJ74S

Size	20x42x12 mm
Bore Diameter	20 mm
Outer Diameter	42 mm
Width	12 mm
d	20 mm
D	42 mm
B	12 mm
C	12 mm
Angle (°)	15 °
d1	26.6 mm
d2	24.65 mm
D1	37.05 mm
D2	38.65 mm
a	11 mm
Contact angle	17 °
rs min	0.6 mm
r1s min	0.3 mm
f0	7.42
Precision class	P4S
Mass	0.06 kg
Dynamic load, C	6.5 kN
Static load, C0	3.05 kN
Fatigue limit load, Cu	0.19 kN
Nlim (oil)	71,000 rpm
Nlim (grease)	52,000 rpm



BEARING-SINGAPORE (PTE)LTD.

Axial displacement K Factor	1.74
Preload level	7
Preload value	0.035 kN
Axial rigidity	27 N/ μ m
Radial rigidity	132 N/ μ m
Min operating temperature, T _{min}	-30 ° C
Max operating temperature, T _{max}	120 ° C
Characteristic cage frequency, FTF	0.41 Hz
Characteristic rolling element frequency, BSF	5.27 Hz
Characteristic outer ring frequency, BPF0	5.77 Hz
Characteristic inner ring frequency, BRFI	8.23 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