



NOTES/SPECIFICATIONS:

1. FORCE CONSTANT: 3.99N/A*
2. TRAVEL: 50.0mm
3. COIL MASS: 51g
4. MAGNET MASS: 153g
5. COIL RESISTANCE: 8.5Ω
6. COIL INDUCTANCE: 3274μH
7. MAXIMUM 100% DUTY CYCLE CURRENT @ 60°C: 0.68A
8. MAXIMUM 100% DUTY CYCLE CURRENT @ 200°C: 1.45A

*SPECIFIED AT THE STROKE POSITION THAT PROVIDES THE MAXIMUM CONTINUOUS FORCE WHEN DRIVEN WITH 1 A CURRENT

FOR INFORMATION ONLY
NOT FOR MANUFACTURING PURPOSES

DRAWING PROJECTION		
NAME	JC	DATE
DRAWN	JC	07/NOV/19
APPROVAL	CT	08/NOV/19
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VALUES IN PARENTHESIS ARE CALCULATED AND MAY CONTAIN ROUND OFF ERRORS		

THORLABS www.thorlabs.com	
50mm VOICE COIL ACTUATOR	
MATERIAL	N/A
ITEM #	VC500/M
APPROX WEIGHT	0.21 kg