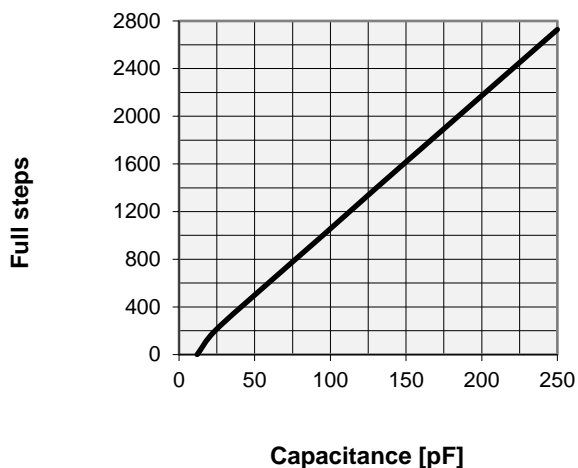
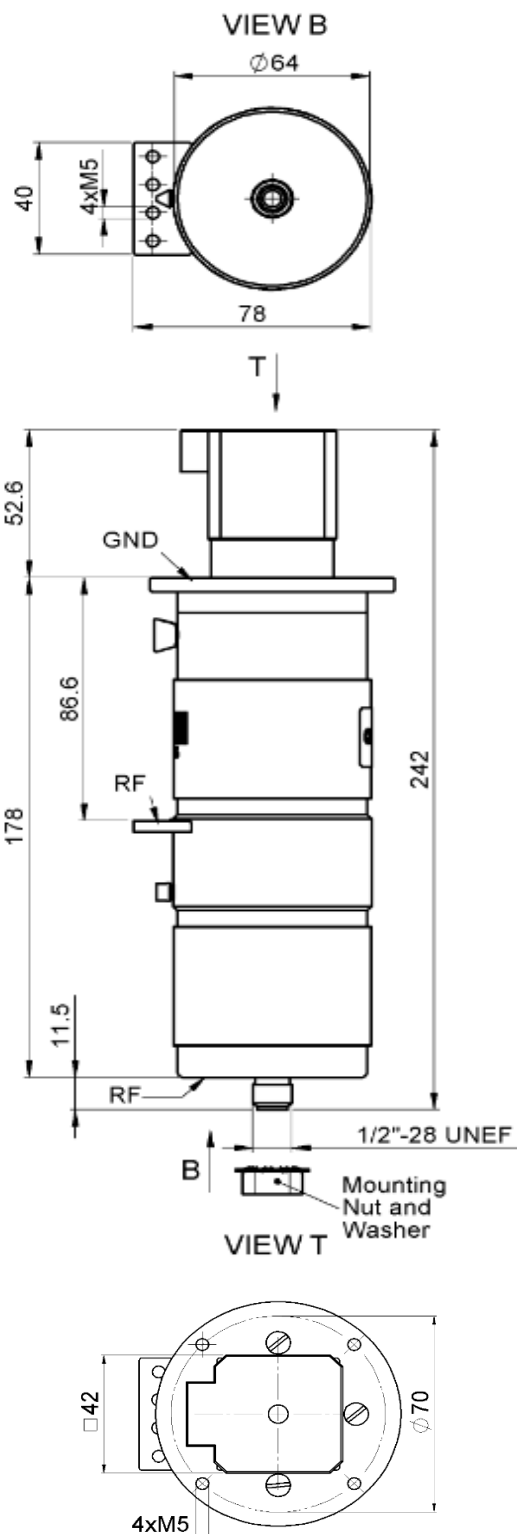


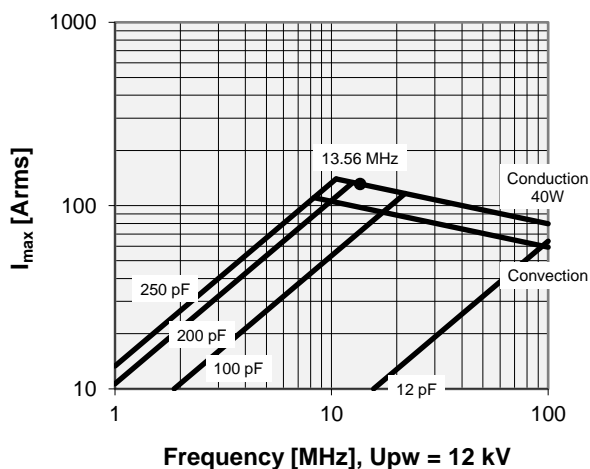
# CMSM-250AC/20-B-F

## Capacitor Specifications

Capacitance $C_{max}$ (nominal)	250 pF
Capacitance $C_{min}$ (nominal)	12 pF
Voltage (Peak Test $U_{pt}$ / Peak Working $U_{pw}$ )	20 kV / 12 kV
Ground to variable end insulation (Peak Test)	20 kV
Capacitance Tolerance (linear Range)	10%
Max. Current $I_{max}$ at 13.56 MHz with	131 Arms
Conduction Cooling	40 W
Self Inductance	$\leq 9$ nH
Capacitance per 100 steps	8.9 pF
Net Weight	1.8 kg
Ground to variable end capacitance	$\leq 5$ pF



$I_{max}$  at 25°C ambient and 125°C surface temp. for convection and conduction (40 W) cooling



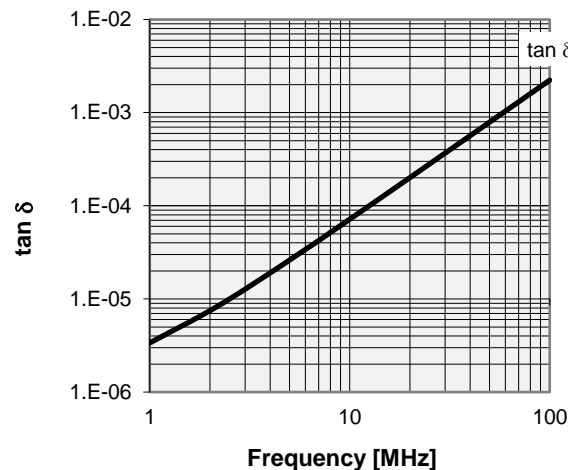
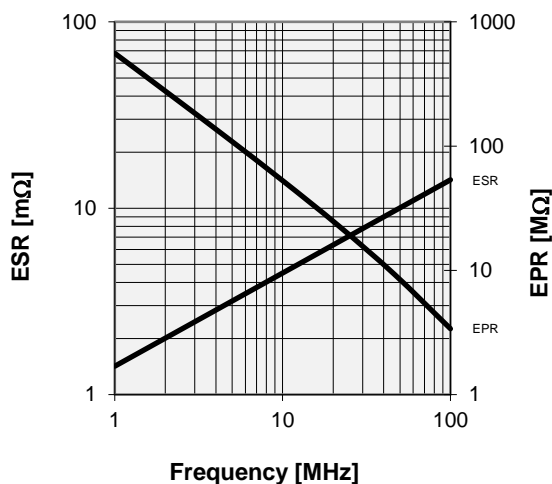
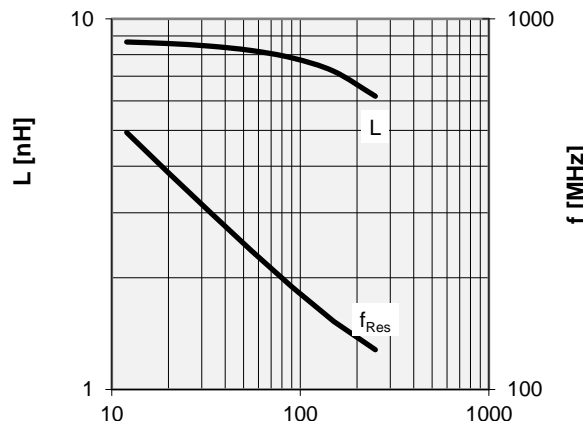
Note:  
 Technical information in Service Bulletin  
 SB-52 and SB-60 must be considered  
 Subject to change without prior notice

# CMSM-250AC/20-B-F

Full steps	Nominal Capacitance [pF]	Tolerance
0	12.0	10%
200	23.8	10%
600	59.0	10%
1000	95.0	10%
1400	130.5	10%
1800	166.5	10%
2728	250.0	10%

Mechanical stop at < 12 pF at ~ -200 full steps  
 Mechanical stop at > 250 pF at ~ 2530 full steps

Self inductance and resonance frequency



<b>Special Features:</b>
RoHS Compliant

**General handling information for the integrated drive**  
 When installing or removing the integrated drive, extreme care must be taken to avoid damage to the body of the integrated drive. Although the integrated drive look very rugged from the outside it must be remembered that, due to the brazing process used to join ceramic and copper, the copper is in a soft, annealed condition and is therefore highly susceptible to mechanical deformation. For this reason, any rough handling, like machining of the flanges, must be avoided. Use existing threads and holes for fixation.

**General installation information for the integrated drive**  
 For all integrated drives we recommend that one side be mounted non-rigid to prevent excessive thermomechanical and external forces from acting on the capacitor.

Note:  
 Technical information in Service Bulletin  
 SB-52 and SB-60 must be considered  
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