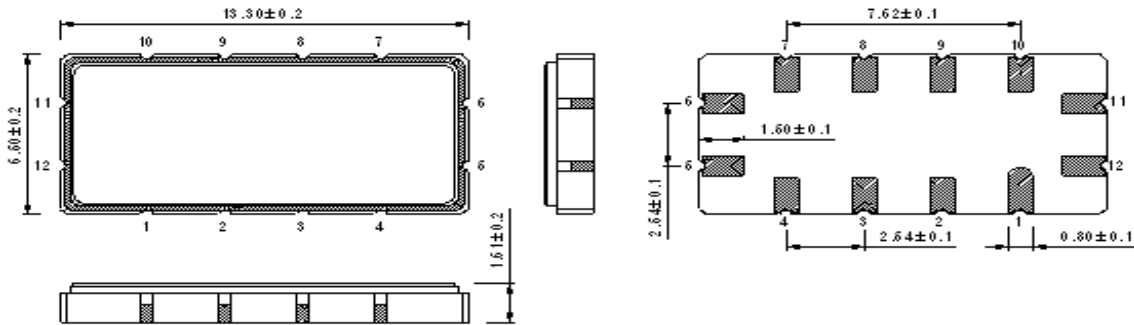


# 1. Part Number: 140840SMD

## 2. Electrical Specifications

Parameter	Unit	Minimum	Typical	Maximum
Center Frequency	MHz	139.50	140.00	140.50
Insertion Loss at F <sub>0</sub>	dB		26.30	27.50
1 dB Bandwidth	MHz	74.35	74.60	
3 dB Bandwidth	MHz	79.90	80.30	
40dB Bandwidth	MHz		112.60	112.90
Pass band Variation	MHz		1.3	1.7
Group Delay Variation	nsec		50	70
Ultimate Rejection	dB	38	40	
Substrate Material	-		128LiNbO3	
Ambient Temperature	°C	-40	25	80

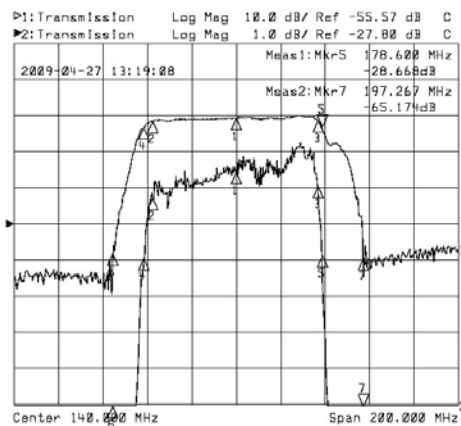
## 3. Mechanical Package (mm)



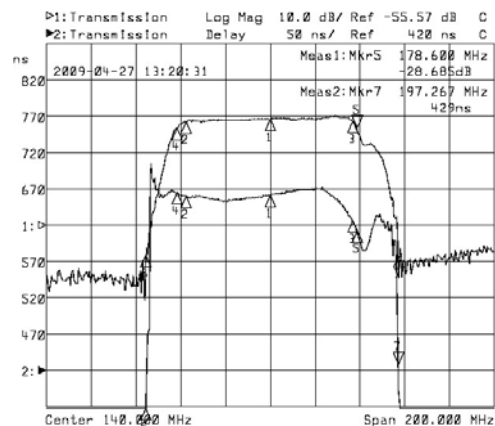
Dimensions shown are nominal in millimeters  
 Body : Al<sub>2</sub>O<sub>3</sub> Ceramic  
 Lid: Kovar, Ni Plated  
 Terminations: Au plating 0.3 ~ 1.0 um, Over a  
 1.27 ~ 8.89 um Ni Plating

Pad Configuration	
11	Input
5	Output
6, 12	Ground
Other	Case ground

## 4. Plots



Horizontal: 1.5MHz/Div; Vertical: 1db & 10db/Div



Horizontal: 1.5MHz/Div; Vertical: 1db & 10db/Div