



## PRODUCT NAME

TM8724

## TITLE

TM8724 Electrical Characteristics

## APPLICATION NOTE

I. The characteristics in this document are only for reference. The operating current is measured in room temperature (26°C) and without loading. In mass-production, the characteristics will be influenced by process deviation, temperature, option, loading and operating voltage.

II. Power Consumption:

LCD : 1/2Bias, 1/4Duty x 8Seg

(1). At 3V, 26°C

TM8724 (Crystal Slow only 3V)					
NO.	1	2	3	4	5
3V	√	√	√	√	√
LCD	on	on	on	on	on
Operating	√	√			
Bcf Flag	1	0	1	1	0
Halt				√	√
Stop			√		
32768Hz	√	√	√	√	√
Operating current (μA)	8.25	6.71	0	7.05	5.41

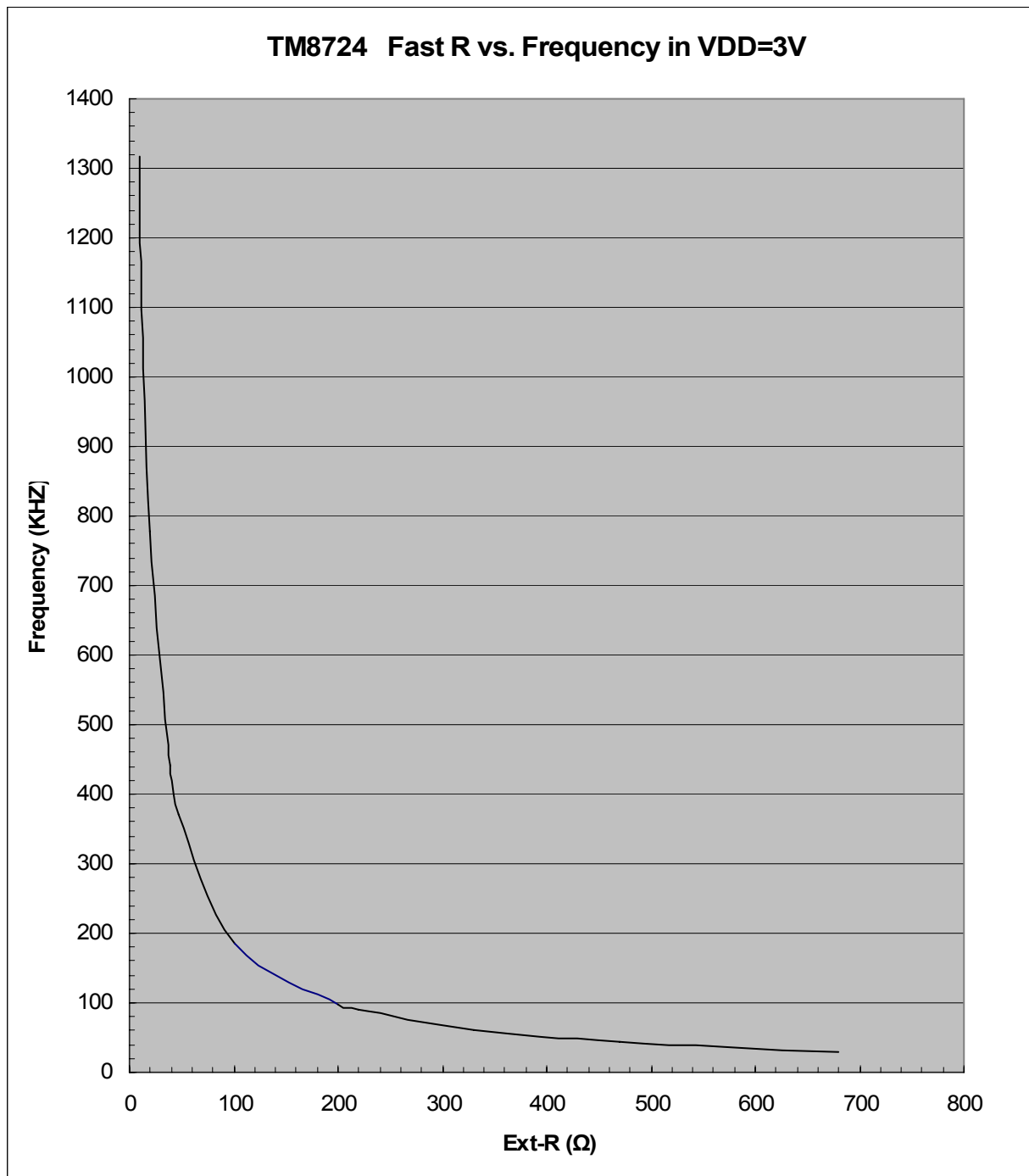
(2). At 1.5V, 26°C

TM8724 (Crystal Slow only 1.5V)					
NO.	1	2	3	4	5
1.5V	√	√	√	√	√
LCD	on	on	on	on	on
Operating	√	√			
Bcf Flag	1	0	1	1	0
Halt				√	√
Stop			√		
32768Hz	√	√	√	√	√
Operating current (μA)	1.85	1.7	0	1.29	1.13

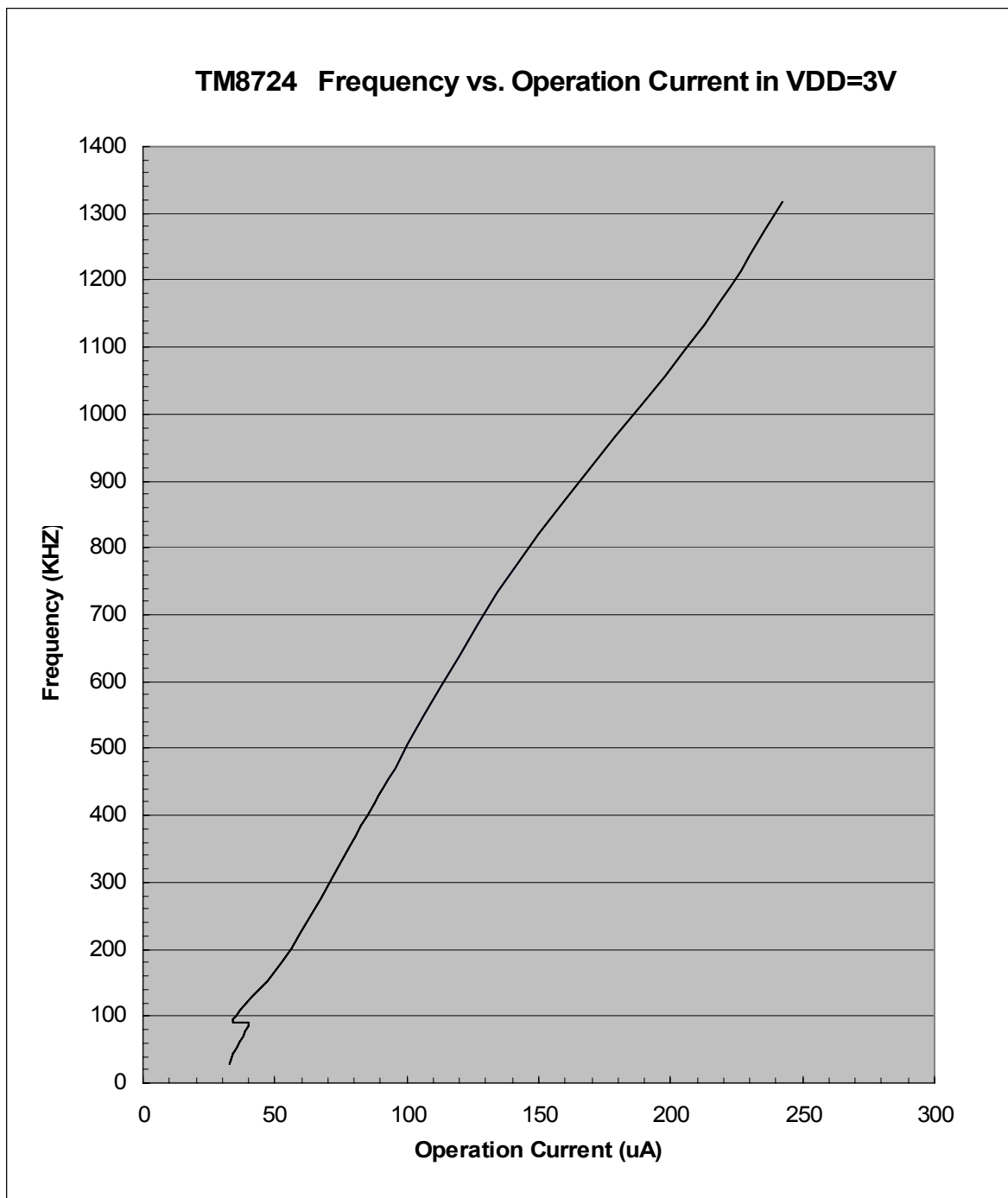
### III. Ext-R vs. Frequency vs. Operating Current

(1). At 3V, 26°C

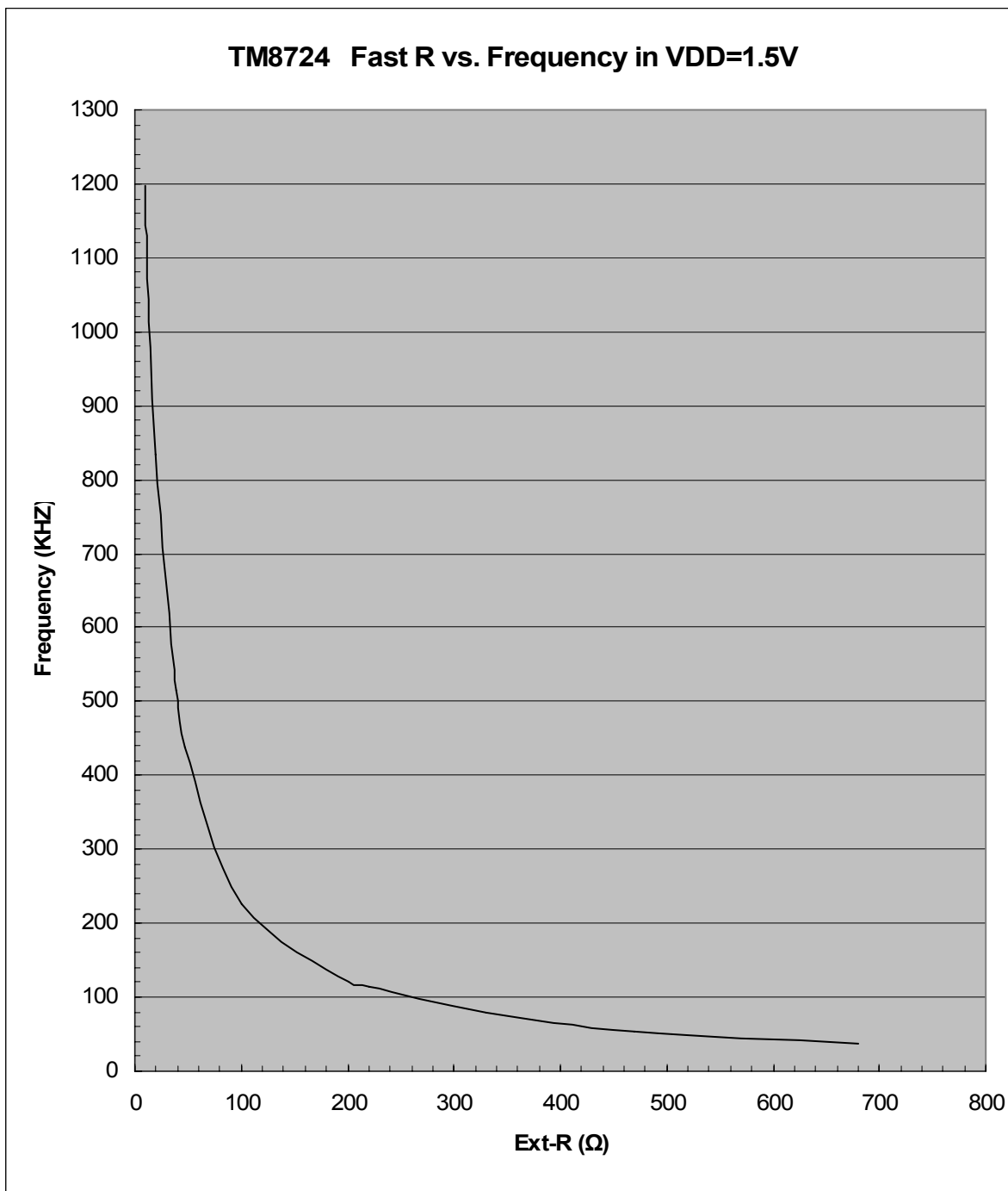
Ext-R vs. Frequency



- (2). At 3V, 26°C  
Frequency vs. Operation Current



- (3). At 1.5V, 26°C  
Ext-R vs. Frequency



- (4). At 1.5V, 26°C  
Frequency vs. Operation Current

