

# SPECIFICATION

**COMMERCIALY AVAILABLE**

**ITEM: MONOLITHIC CRYSTAL FILTER  
PART NUMBER: M45JAC**

ISSUED / REVISION	ENGINEER APPROVED	DOCUMENT CHECKED	DRAFTSMAN
1/17/11 kn for EH	1/18/2011 SRJ	1/18/2011 BF	1/18/2011 GL
3/6/11 kn for EH	3/26/2011 SRJ		
2/28/13 DS	<b>03/01/2013 TFG</b>	<b>03/01/2013 TFG</b>	<b>03/01/2013 GL</b>

***FILTRONETICS Inc***

1. Part Number: M45JAC

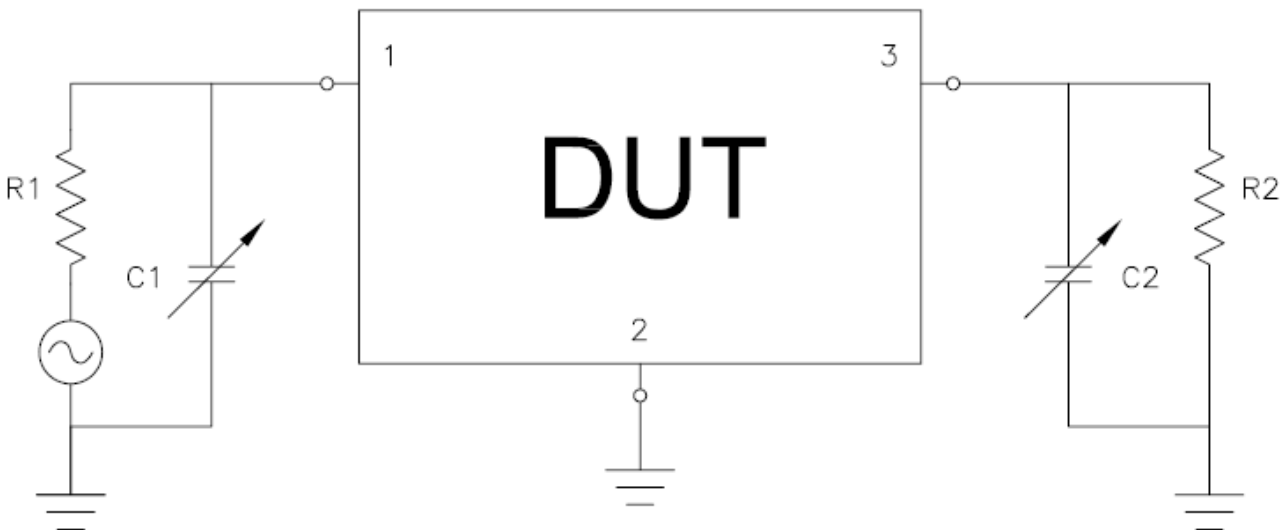
2. Electrical Specifications:

Center Frequency (Fo):	45.0MHz
3dB Bandwidth:	± 15.00KHz Min
Insertion Loss:	2 dB Max
Ripple in Pass Band: Fo ±10.00KHz	1.0 dB Max
Stop Band Attenuation: Fo ±50KHz	15 dB Min
Attenuation: @ Fo -910KHz	65 dB Min
Spurious Responses:	2 dB Max
Terminating Impedance :	650 Ω // 4pF *
Operating Temperature:	-30 to +85°C
Storage Temperature:	-55 to +90°C
Number of poles:	2

\*See Figure 1.

Matching Circuit:

FIGURE 1.



R1 & R2 = 650 Ohms  
SUGGESTED VALUES:  
 C1 & C2 = VARIABLE 4 pF

3. Mechanical Package:

Marking:  
M45JAC  
Date code

