



QEFS21M4B15

SMD Monolithic Crystal Filter – 21.400 MHz
Specification (Rev-B)

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SMD Monolithic Crystal Filter – 21.400 MHz

Specification (rev-A)

November 5th , 2005

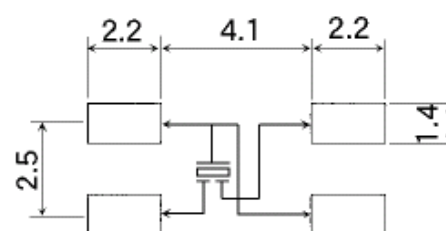
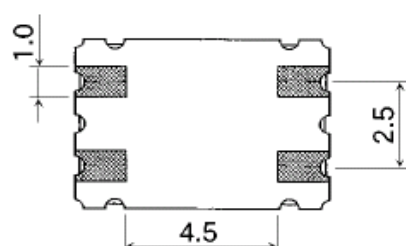
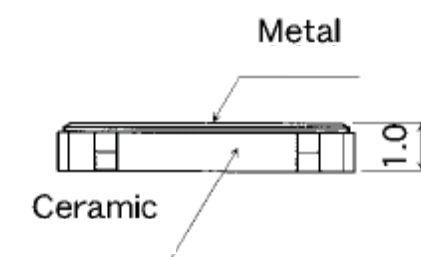
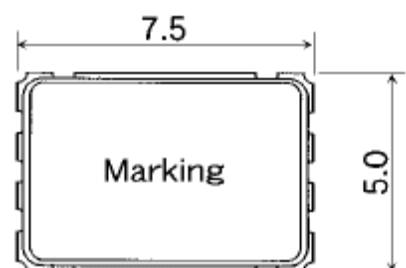
Electrical Characteristics

Electrical Parameters	Unit	Minimum	Typical	Maximum	Test conditions
Nominal Frequency	MHz		21.400		
Insertion Loss	dB			2.5	
Pass Band at 3.0dB	KHz				
Ripple in pass band	dB			1	
Stop Band attenuation at 35 dB	KHz			± 25	
Number of Poles			4 (2XSMD Package)		
Guaranteed attenuation At $f_o \pm 910$ KHz ± 10 KHz	dB	80	-		
Spurious Response	dB	40			
Terminating Impedance	K Ω //pF		1500 // 0.5	-	

Environmental Specifications

Electrical Parameters	Unit	Minimum	Typical	Maximum	Case Qty
Operating Temperature	$^{\circ}\text{C}$	-20		+70	2

Mechanical Characteristics



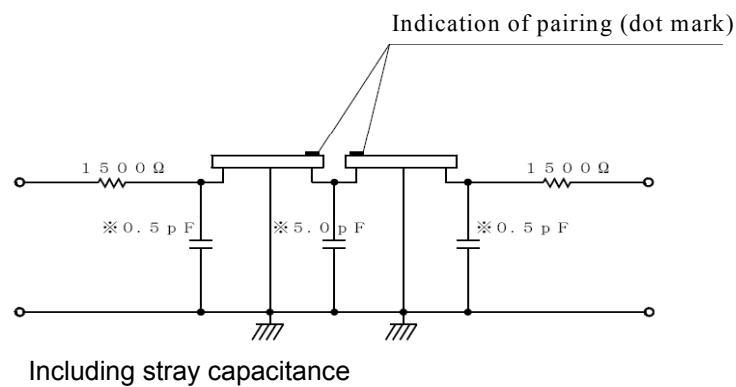
Suggested Pads

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Test Circuit 4 Poles Mono



Marking

IN

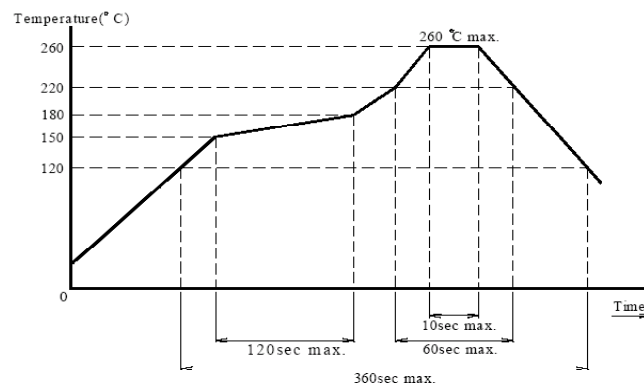
21M4B15

TA0527H

OUT

- 21M4B15: Temex P/N
- TA: Temex name
- 0450: Date code (YYWW)
- H: Manufacturing Code

Reflow Soldering Profile



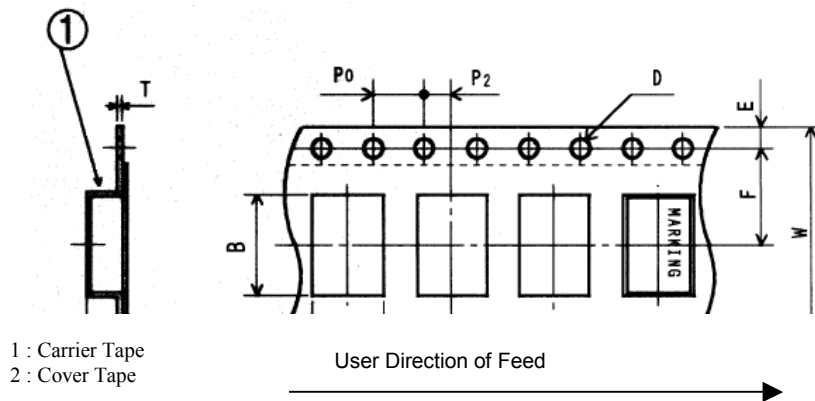
Reflow soldering:
two times max

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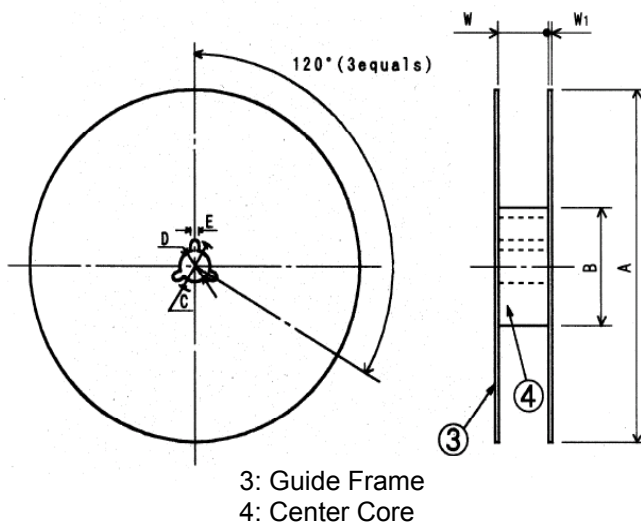
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Tape & Reel



	Size (mm)
A	5.4
B	7.9
D	Ø 1.5
E	1.75
F	7.5
P ₀	4.0
P ₁	8.0
P ₂	2.0
T	0.4
T ₁	1.7
W	16.0



	Size (mm)
A	Ø 178
B	Ø 80
C	Ø 21
D	Ø 13
E	2.0
W	17.5
W ₁	20

Multiple : 1Kpcs/reel