



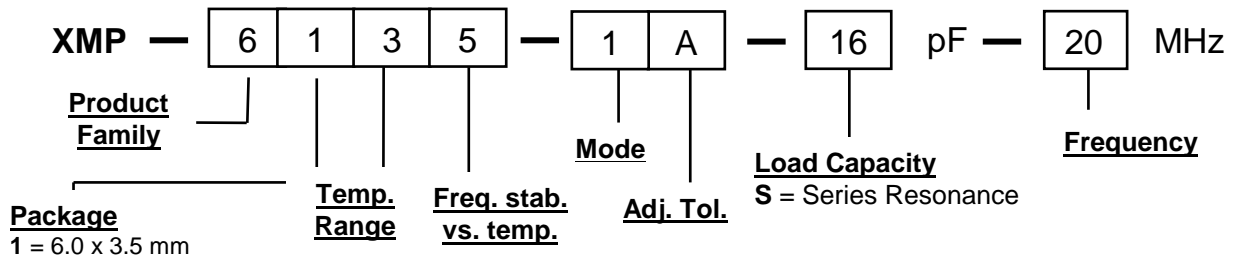
# XMP-6100



6.0 mm x 3.5 mm Ceramic SMD Package

<b>Specification :</b>	
Frequency range, Mode of vibration :	1: 8.000 MHz to 48 MHz fundamental 3: 48.000 MHz to 86.000 MHz 3 <sup>rd</sup> overtone
Temperature range options:	0: 0 to +50 °C 1: -10 to +60 °C 2: -20 to +70 °C 3: -40 to +85 °C
Frequency stability vs. temperature options : ± 5 ppm (available for temp.range 0 & 1 ): ± 10 ppm ± 15 ppm ± 20 ppm ± 30 ppm ± 50 ppm	1 2 3 4 5 6
Adjustment tolerance at +25 °C:	A: ± 10 ppm    B: ± 15 ppm    C: ± 20 ppm D: ± 25 ppm    E: ± 30 ppm    F: ± 50 ppm
Load capacity CL :	8 pF to 32 pF and series resonance available
R1max :	See table page 2
Co :	3 pF max
Drive level :	0.01 mW standard; 0.1 mW max.
Aging :	≤ ±1 ppm/year
Storage temperature range :	-55 °C to +125 °C

## Ordering Information :



Typical Part Number: **XMP-6135-1A-16pF-20 MHz**

Mode = fund.  
 Temp. range = -40 to +85 °C  
 Freq.stab. = ± 30 ppm  
 Adjust. tol = ± 10 ppm.,  
 C<sub>L</sub> = 16 pF  
 Frequency = 20 MHz

4	Freq stab vs Temp range adapted	21.02.13	Dannenmaier	<b>KVG Quartz Crystal Technology GmbH</b> Waibstadter Str. 2 - 4 D-74924 Neckarbischofsheim Tel. +49 (0) 7263 / 648-0 Fax. +49 (0) 7263 / 6196
3	Storage Temp.Range added	12.05.11	M. Zupan	
2	Ordering coding scheme	03.01.2008	Rudolph	
1		29.01.2003	M. Zupan	
ED	Description	Date	Name	

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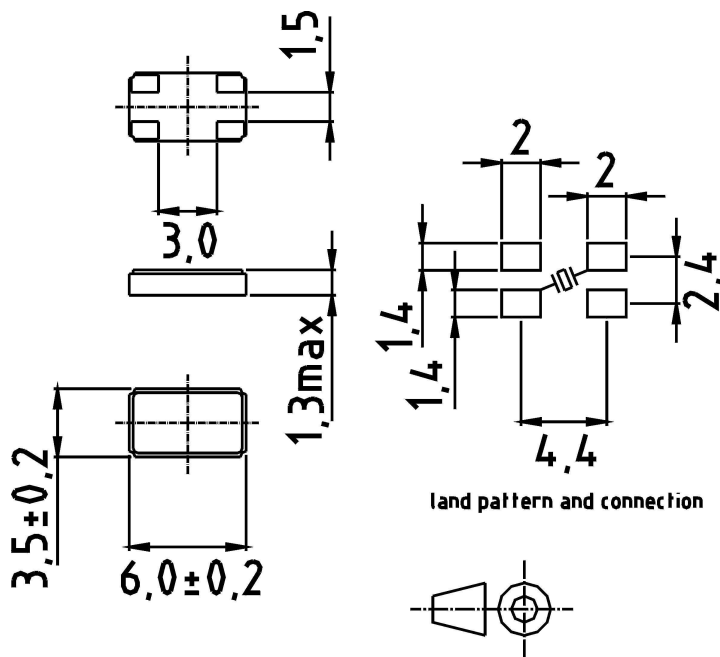


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6.0 mm x 3.5 mm Ceramic SMD Package



## Package Drawing:



## R1<sub>max</sub> vs. frequency :

Frequency [MHz]	Mode	R1 <sub>max</sub> [Ohm]
8.0 .....9.0	fund.	100
9.0 ... 10.0	fund.	80
10.0 ... 12.0	fund.	60
12.0 ... 13.0	fund.	50
13.0 ... 19.0	fund.	45
19.0 ... 20.0	fund.	40
20.0 ... 30.0	fund.	35
30.0 ... 48.0	fund.	30

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