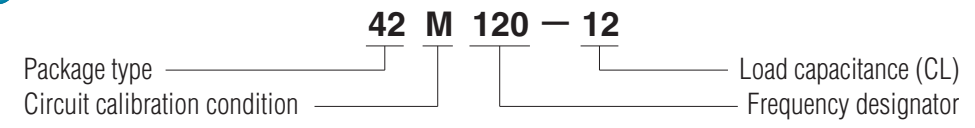


STANDARD SPECIFICATIONS

1. Package type 42SMX
2. Frequency range 12.000 MHz to 50.000 MHz
3. Frequency tolerance ±50 ppm at +25°C ±3°C
4. Temperature stability (referred to +25°C) ±50 ppm over -20°C to +70°C
5. Load capacitance (CL) 12 pF, Typical
6. Shunt capacitance (Co) 5 pF max.
7. Drive level (P) 100 µW max. (10 µW for testing)
8. Aging ±5 ppm max. at +25°C ±3°C per year
9. Cut/Oscillation mode AT-Cut/Fundamental
10. Reflow condition 10 seconds max. at +250°C ±10°C

PART NUMBERING GUIDE

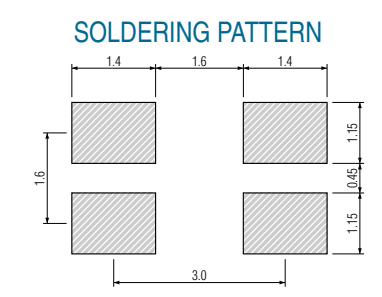
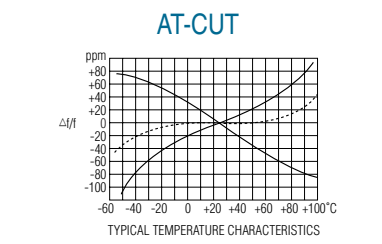


EXAMPLE

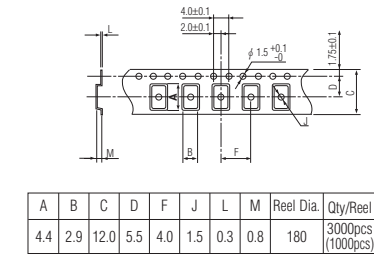
SMI PART NO.	Package	Circuit Calibration Condition	Frequency
42M120-12	42 = 42SMX	M = Parallel resonance CL = 12 pF	120 = 12.000 MHz
42S240	42 = 42SMX	S = Series resonance	240 = 24.000 MHz

PACKAGE DATA

Item	Package	42SMX
Lid		Metal
Base		Ceramic
Sealing		Seam
Terminal		Tungsten (metalized)
Terminal plating		Gold / Nickel (surface) / (under)
RoHS		Compliant (Pb-free)



TAPE SPECIFICATIONS



A	B	C	D	F	J	L	M	Reel Dia.	Qty/Reel
4.4	2.9	12.0	5.5	4.0	1.5	0.3	0.8	180	3000pcs (1000pcs)

42SMX STANDARD FREQUENCIES

FREQUENCY MHz	FREQUENCY DESIGNATOR	MAX EQUIVALENT SERIES RESISTANCE OHMS(Ω) ESR
12.000000	120	80
12.600000	126	80
13.000000	130	80
13.560000	1356	60
14.000000	140	60
14.318180	143	60
14.400000	144	60
14.745600	147	60
15.360000	153	60
16.000000	160	60
16.384000	163	50
19.200000	192	50
19.440000	194	50
19.680000	1968	50
20.000000	200	50
24.000000	240	40
24.576000	245	40
25.000000	250	40
25.200000	252	40
26.000000	260	40
27.000000	270	40
32.000000	320	40
32.768000	32768	40
39.000000	390	40
40.000000	400	40
50.000000	500	40