COMMUNICATION CRYSTALS <u>ULTRA MINIATURE • UM-1 • UM-4</u>

ABU, ABU4





FEATURES:

- · Compact size.
- · High precision crystal.
- · Hermetically sealed.
- Excellent frequency temperature characteristics across a wide temperature range.

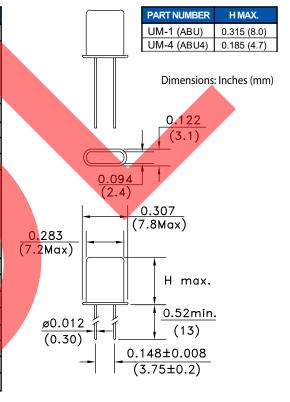
APPLICATIONS:

- Pagers
- Hand-held phones
- Cordless phones
- Communication equipment

STANDARD SPECIFICATIONS:

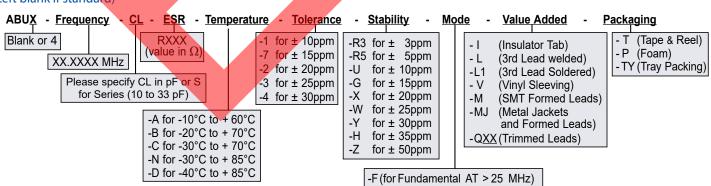
	A TO 14 (1 10 A 1)
ABU (UM-1)	ABU4 (UM-4)
6MHz - 200MHz	10MHz - 200MHz
6.00MHz ≤	F ≤ 25.00MHz (Fundamental)
25.0MHz <	F < 72.0MHz (3rd overtone)
72.00MHz <	F < 160.0MHz (5th overtone)
160.0MHz ≤	F ≤ 200.00MHz (7th overtone)
0°C 1	o +70°C (See Options)
-	40°C to +125°C
±50pp	om max. (See Options)
±50pj	om max. (See Options)
	or 6.0MHz < F < 7.0MHz
100 Ω max. fo	or 7.0MHz ≤ F < 8.0MHz
	8.0MHz ≤ F < 10.0MHz or 10.0MHz ≤ F < 11.0MHz
	or 11.0MHz \leq F $<$ 12.0MHz
	or 12.0MHz ≤ F < 14.0MHz
30 Ω m <mark>ax. fo</mark>	or 14.0MHz ≤ F ≤ 25.0MHz
70 Ω m <mark>ax. fo</mark>	or 25.0MHz ≤ F < 72.0MHz
100 Ω max. fo	or 72.0MHz ≤ F < 160.0MHz
140 Ω max. fo	or 160.0MHz ≤ F ≤ 200.0MHz
	7pF max.
	18pF (See Options)
1mW n	nax., 100µW correlation
±3ppm max	(tighter aging available)
500M	Ω min. at 100Vdc ±15V
	6.00MHz ≤ 25.0MHz < 72.00MHz < 72.00MHz < 160.0MHz ≤ 0°C t

OUTLINE DIMENSIONS



OPTIONS & PART IDENTIFICATION:

(Left blank if standard)



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