

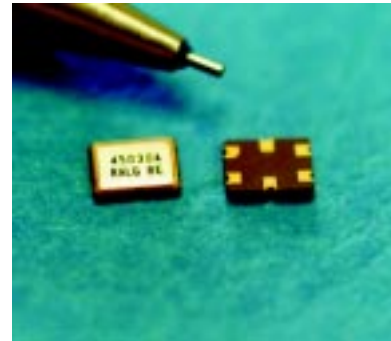
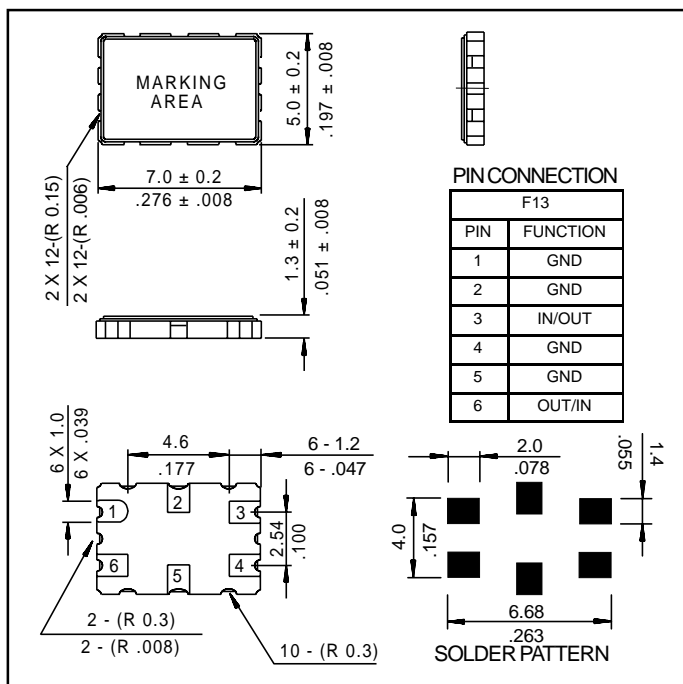
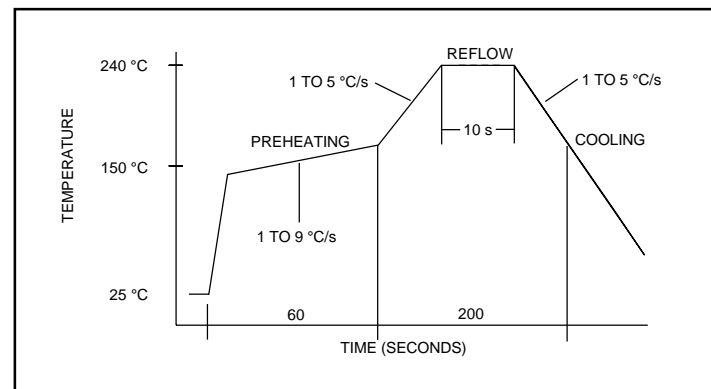
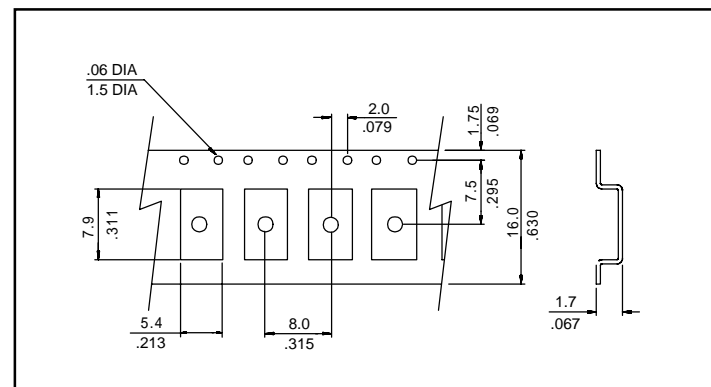
**SERIES F13****FEATURES**

- 1.2 mm MAXIMUM HEIGHT
- EXCELLENT STABILITY OVER TEMPERATURE
- TAPE AND REEL PACKAGING

**SPECIFICATIONS**

FREQUENCY RANGE	20.00 MHz TO 45.00 MHz
PASS BANDWIDTH AT 3dB	± 3.75 KHz MIN
ATTENUATION BANDWIDTH AT 10dB	± 12.5 KHz MAX
RIPPLE	1.0 dB MAX
INSERTION LOSS	4.0 dB MAX †
ATTENUATION GUARANTEED	AT Fo - 910 KHz 40 dB MIN
TERMINAL IMPEDANCE	SPECIFIC TO PRODUCT MODEL
OPERATING TEMPERATURE RANGE	-20°C TO +70°C

† DEPENDENT UPON FREQUENCY

**OUTLINE DRAWING****SOLDER REFLOW PROFILE****CARRIER TAPE DIMENSIONS****PACKAGING**

180 mm REEL DIAMETER, 16 mm TAPE WIDTH, 8 mm PITCH  
 QUANTITY: 1000 PIECES PER REEL

**PART NUMBERING SYSTEM**

SERIES	-	FREQUENCY	MODE	PASS BANDWIDTH	POLES
F13		IN MHZ	F: FUNDAMENTAL M: THIRD OVERTONE	±10 KHz = 20	A = 2 POLES

EXAMPLE: F13-45M20A