

FEATURES

- AT CUT CRYSTAL PERFORMANCE
- THERMOPLASTIC PACKAGE SUITED FOR REFLOW SOLDERING
- EXCELLENT FOR HIGH DENSITY CIRCUIT BOARDS

SPECIFICATIONS

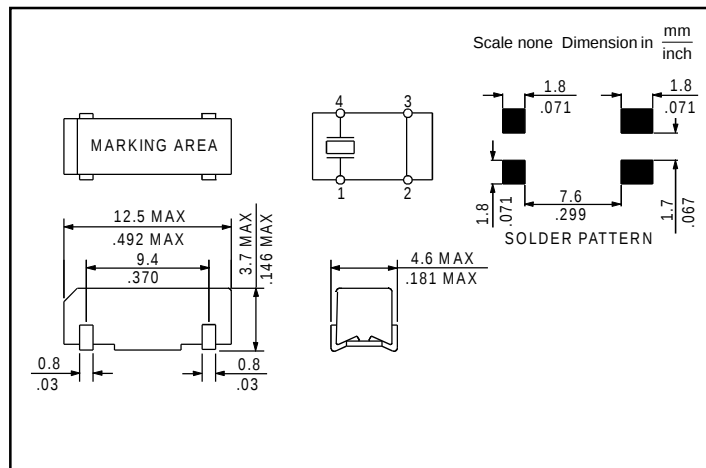
MODEL TYPE	TT-SMDC	
FREQUENCY RANGE	3.579545 MHz TO 70.000 MHz	
MODE OF OSCILLATION	FUNDAMENTAL	3.579545 MHz TO 30.000 MHz
	THIRD OVERTONE	30.10 MHz TO 70.000 MHz
FREQUENCY TOLERANCE AT 25 C	±50 PPM MAX (±30 PPM AVAILABLE)	
FREQUENCY STABILITY OVER TEMPERATURE	±50 PPM MAX (±30 PPM AVAILABLE)	
TEMPERATURE RANGE	OPERATING	-10 C TO +60 C
	EXTENDED	-40 C TO +85 C
LOAD CAPACITANCE	12 pF TO 32 pF OR SERIES	
SHUNT CAPACITANCE	7 pF MAXIMUM	
EQUIVALENT SERIES RESISTANCE (ESR)	SEE TABLE 1	
DRIVE LEVEL	100 W MAXIMUM	
SHOCK RESISTANCE	±5 PPM MAXIMUM 75 cm DROP TEST IN 3 AXES ONTO A HARD SURFACE OR 3000 g/0.3 ms x % SINEWAVE IN 3 AXES	
REFLOW CONDITIONS	240 C FOR 10 S MAXIMUM	



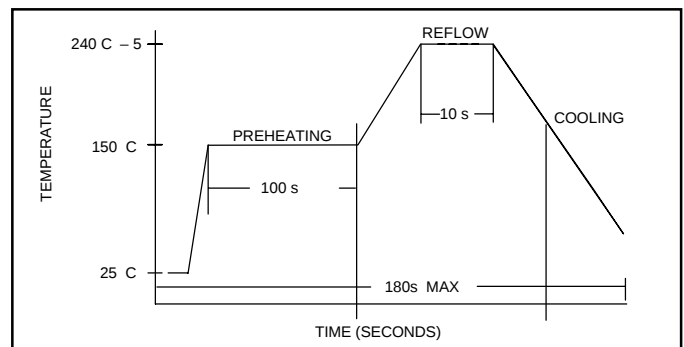
TABLE 1

FREQUENCY (MHz)	MODE	MAXIMUM ESR (OHM)
3.50 TO 3.999	FUNDAMENTAL	200
4.00 TO 5.999	FUNDAMENTAL	150
6.00 TO 9.999	FUNDAMENTAL	100
10.00 TO 30.00	FUNDAMENTAL	50
30.10 TO 90.00	THIRD OVERTONE	100

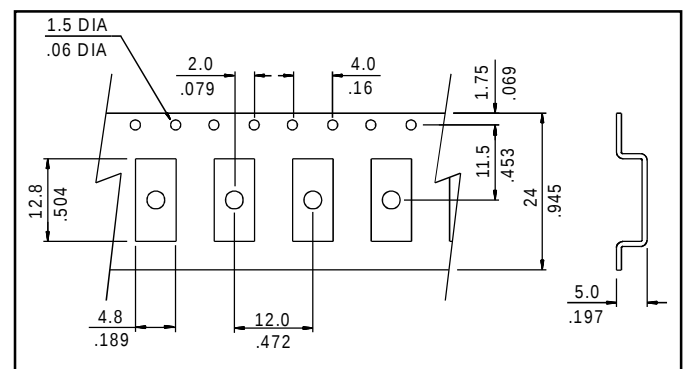
OUTLINE DRAWINGS



REFLOW SOLDERING PROFILE



CARRIER TAPE DIMENSIONS



PACKAGING

330 mm REEL DIAMETER, 24mm TAPE WIDTH. QUANTITY: 1000 PIECES PER REEL

PART NUMBERING SYSTEM

HOLDER TYPE	FREQUENCY	LOAD CAPACITANCE	MODE		TAPE AND REEL
TT-SMDC	IN MHz	12 TO 32 pF FOR PARALLEL S FOR SERIES	F 3OT	FUNDAMENTAL THIRD OVERTONE	TR

EXAMPLE: TT-SMDC-12.288-22-TR