



500 MHz 2 port Resonator

Loaded Q 4000

AEC Design Part Number

A174 - 500M1

PRELIMINARY DATA

Typical performance



Specifications

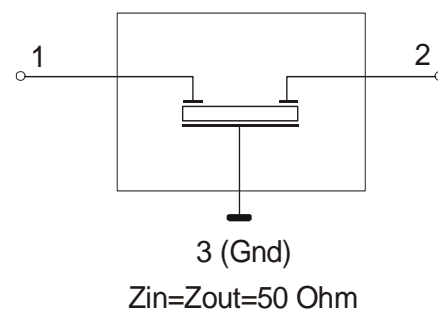
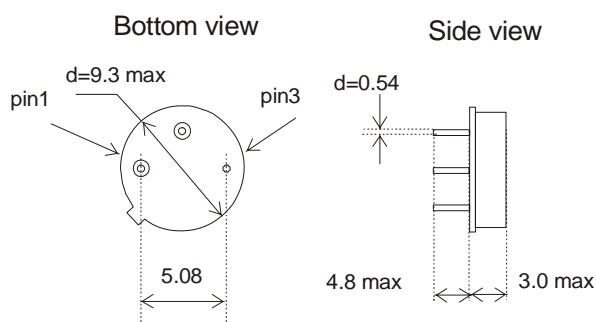
Parameter	Unit	Min	Typ	Max
Central frequency	MHz	499.95	500.00	500.05
Inserted loss (unmatched)	dB	5.0	6.5	10.0
Loaded Q	MHz	3500	4000	5500
Turnover temperature	°C	5	15	25
TCF		-	$56 \times 10^{-9} / ^\circ\text{C}^2$	-
Substrate			33YX Quartz	
Temperature range	°C	-60	22.5	80

Notes:

1. The design, manufacturing process, and specifications of this filter are subject to change.
2. Specification valid for measurements in AEC Design test fixture

Case

Matching



TO39