

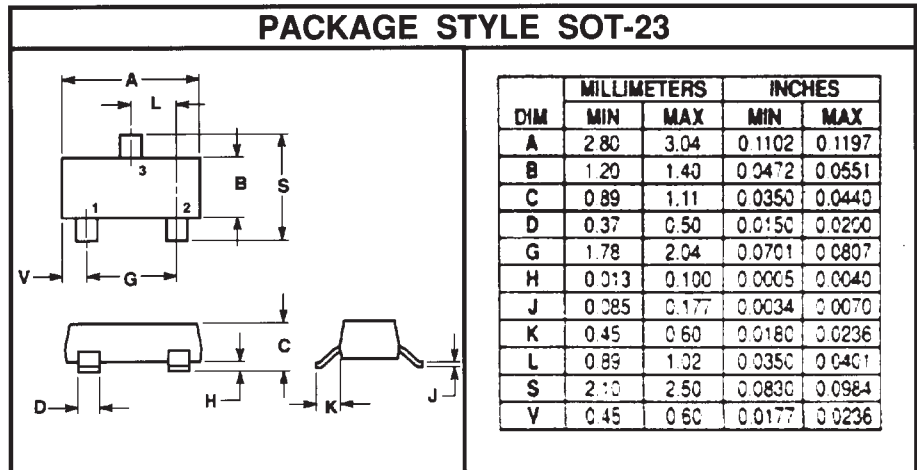
SILICON HYPERABRUPT TUNING VARACTOR

DESCRIPTION:

SILICON HYPERABRUPT TUNING VARACTOR DIODES IN A SOT-23 PACKAGE

Absolute Maximum Ratings

IR	100nA@VR=20V
V	22V@IR=10μA
P.D.	250 mW @ TC=25°C


Electrical Characteristics

Model Number	Total Capacitance CT4(±10%) (pF) f=1MHz VR=4.0 V	Minimum Capacitance Ratio CT2/CT20 f=1MHz VR2.0V/VR20V	Minimum Q f=50MHz VR=4.0V
AHV1001	5.6	5.3	300
AHV1002	6.8	5.5	300
AHV1003	8.2	6.0	250
AHV1004	10.0	6.0	250
AHV1005	12.0	6.5	250
AHV1006	15.0	7.0	250
AHV1007	18.0	7.0	175
AHV1008	22.0	7.5	175
AHV1009	27.0	8.0	175
AHV1010	33.0	9.0	150
AHV1011	39.0	9.5	150
AHV1012	47.0	9.5	150

1. AVAILABLE AS SINGLE OR COMMON CATHODE PAIRS.
ADD SUFFIX "CC" TO MODEL NUMBER FOR COMMON CATHODE PAIRS.

Pin Configuration:

Single: Pin #1=Anode, Pin #2=N.C., Pin #3=Cathode
Common Cathode: Pin #1=Anode, Pin #2=Anode, Pin #3=Cathode/Cathode

ADVANCED SEMICONDUCTOR, INC.