

Schottky Diodes: MCH 600 Series

High Barrier Schottky Ring Quads

Description

The **MicroMetrics** MCH 600 series of High Barrier Ring Quads consists of four closely matched diodes connected in a ring configuration. The diodes are formed monolithically providing close matching of capacitance, forward voltage and series resistance. These ring quads are available in our case style 26.

Applications

The High Barrier Schottky Ring Quads are ideally suited for use in doublers, modulators and as double balance mixers.

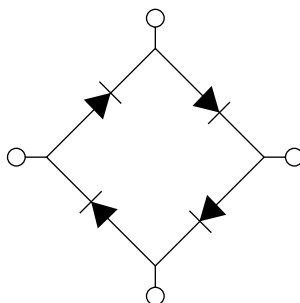
Features

- Low Junction Capacitance
- Monolithic Construction
- Low Series Resistance

Packaging

- CS 26

Diode Ring Circuit



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Electrical Characteristics

Breakdown Voltage @10 μ A MIN (V)	Forward Voltage @1 mA MAX (V)	Delta Forward Voltage @5 mA MAX (mV)	Total Capacitance @0 Vdc 1 MHz TYP (pF)	Series Resistance @5 mA TYP (Ohms)	Part Number
4.0	0.475	15	0.08	8	MCH600
4.0	0.475	15	0.1	8	MCH601
4.0	0.5	15	0.12	12	MCH602
4.0	0.5	15	0.14	12	MCH603
4.0	0.525	15	0.18	18	MCH604
4.0	0.525	15	0.2	18	MCH605

Maximum Ratings

Operating Temperature	-55°C to + 150°C
Storage Temperature	-65°C to + 200°C
Power Dissipation @25°C	250mW
(derate linearly to zero at 150°C)	

