

Microsemi Corp.

The diode experts

SANTA ANA, CA

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(714) 979-8220

SCOTTSDALE, AZ

MC456A - MC486B

FEATURES

- Microminiature package.
- Standard recovery.
- Stable surface films integrally bonded to the device crystal.
- Meet or exceed requirements of MIL-S-19500.

MAXIMUM RATINGS

Operating Temperature: -65°C to $+175^{\circ}\text{C}$.

Storage Temperature: 175°C .

Power Dissipation: 300 mW @ 25°C Au plated silver leads.
250 mW @ 25°C Au plated kovar leads

ELECTRICAL CHARACTERISTICS

TYPE	BREAKDOWN VOLTAGE (MIN.) @ 100 μ A B_V	FORWARD CURRENT (MIN.) @ 1.0 V I_F	REVERSE CURRENT (MAX.) I_R @ V_R		TEST VOLTAGE V_R	AVERAGE RECTIFIED CURRENT I_o
			μ A			
	VOLTS	mA	25°C	150°C	VOLTS	mA
MC456A	30	100	0.025	5.0	-25V	150
MC457A	70	100	0.025	5.0	-60V	150
MC458A	150	100	0.025	5.0	-125V	150
MC459A	200	100	0.025	5.0	-175V	150
MC461A	30	100	0.5	30.0	-25V	150
MC462A	70	100	0.5	30.0	-60V	150
MC463A	200	100	0.5	30.0	-175V	150
MC464A	150	100	0.5	30.0	-125V	150
MC482B	40	100	0.025	5.0	-30V	150
MC483B	80	100	0.025	5.0	-60V	150
MC484B	150	100	0.025	5.0	-125V	150
MC485B	200	100	0.025	5.0	-175V	150
MC486B	250	100	0.025	5.0	-225V	150

NOTES:

- Power Dissipation: 300 mw @ 25°C .
- Operating Temperature Range: @ -65°C to $+175^{\circ}\text{C}$.
- Storage Temperature: -65°C to $+175^{\circ}\text{C}$

MICRO-DIODES

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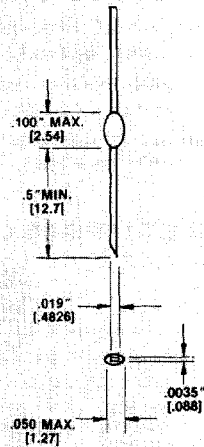


FIGURE 1

Package H

MECHANICAL CHARACTERISTICS

CASE: Ultra stable epoxy encapsulation.

LEAD MATERIAL: Gold plated kovar or gold plated silver.

MARKING: EIA color code bands.

POLARITY: Color bands on cathode leads.