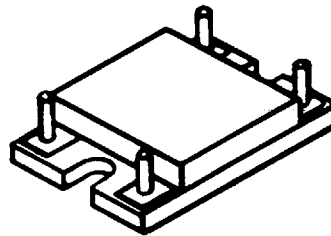


52079**1.5 AMP NEGATIVE VOLTAGE REGULATOR**[查询 52079 供应商](#)**FEATURES**

- Electrically Isolated Package
- Surface Mount Device
- True Hermetic Seal
- Input output differential — 2.1 Volts
- Temperature Coefficient—
(-55°C to 125°C) 0.03% $V_{OUT/C}$
- Load Regulation —
0.6% V_{OUT} @ 10 mA to 1.5 Amps
- Ripple Attenuation — 59 db
- Thermal Resistance, junction to case —
3°C/W

**GENERAL DESCRIPTION**

The 52079 is a 1.5 Amp hybrid four terminal adjustable regulator fabricated using hybrid techniques. A hermetically sealed Beryllium Oxide package is utilized for electrical isolation and low thermal resistance. Outstanding features include full power usage, up to 1.5 Amps of load current, excellent temperature regulation and very low output impedance which insures superior load regulation and performance.

The MII 52079 is a complement to the MII 52084 adjustable positive Regulator. (Fig.5)

A well regulated Negative output range of -2.6 to -30 volts can be obtained by a single potentiometer. No additional external components are required. Reduced size and a unique package makes this Regulator an ideal choice for Microwave Oscillators and Telecommunications.

ABSOLUTE MAXIMUM RATINGS FOR 52079

PARAMETER	SYMBOL	MIN	MAX	UNITS
Input Voltage	V_{IN}		-35	Volts
Power Dissipation	P_O		15(1)	Watts
Thermal Resistance Junction to Case	θ_{JC}		3	°C/Watt
Operating Junction Temperature Range	T_J	-55	+150	°C
Storage Temperature Range	T_{STG}	-65	+150	°C
Lead Temperature, Soldering (11 Seconds Max)	T_{LEAD}		240	°C
Shock			20	G
Vibration		50 G @ 2000 Hz Max		

(1) For operation above 105° C T case, derate @ 333mW/°C

Micropac Industries cannot assume any responsibility for any circuits shown or represent that they are free from patent infringement. **Micropac** reserves the right to make changes at any time in order to improve design and to supply the best product possible.

MICROPAC INDUSTRIES, INC. • 905 E. WALNUT STREET GARLAND, TEXAS 75040 • (214) 272-3571 • FAX (214) 494-2281

■ 6112640 0001288 568 ■

4- 3

