CURRENT REGULATOR DIODES

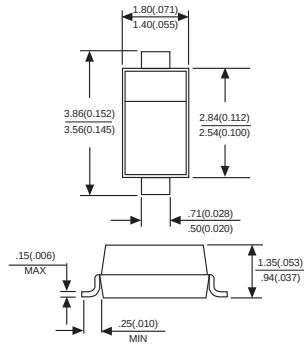
F562 THRU F603

Pinch-off Current - 5.6 to 60 milliampere

FEATURES

- The plastic package carries Underwriters Laboratory
- Flammability Classification 94V-0
- Metal silicon junction,majority carrier conduction
- Low power loss,high efficiency
- High temperature soldering guaranteed: 250℃/10 seconds at terminals

SOD-123



Dimensions in millimeters and (inches)

MECHANICAL DATA

- Case : Molded plastic body
- Terminals : Plated leads solderable per MIL-STD-750, Method 2026
- Polarity : Polarity symbols marked on case

MAXIMUM RATINGS AND ELECTRICAL CHARACTERISTICS

- Ratings at 25℃ ambient temperature unless otherwise specified.

	SYMBOLS	F562	F103	F153	F183	F203	F223	F253	F303	F503	F603	UNITS
Regulator current at specified test	I_P	5.6	10	15	18	20	22	25	30	50	60	mA
Knee impedance test voltage at I=0.8I_P	V_K	3.0										VOLTS
Peak operating voltage	V_{BO}	100.0										VOLTS
A 90Hz signal V_K with RMS value equal to 10% of test voltage,V_K ,is superimposed on V_K:R_K=V_K/I_K	R_{DK}	10 to 300										Ohm
DC power	P_{tot}	0.4										Watt
Operating junction and storage temperature range	T_J,T_{STG}	-50 to +150										℃
Typical temperature coefficient	T_C	-0.20_-0.15				-0.23_-0.32		-0.23_-0.35		-0.25_-0.45		%/℃

Note:1.Field-effect current regulator diodes are circuit elements that provide a current essentially independent of voltage. These diodes are especially designed for maximum impedance over the operating range. These devices may be used in parallel to obtain higher currents.

$_P$ indicate ±10% tolerance ; suffix "A" indicate ±5% tolerance.