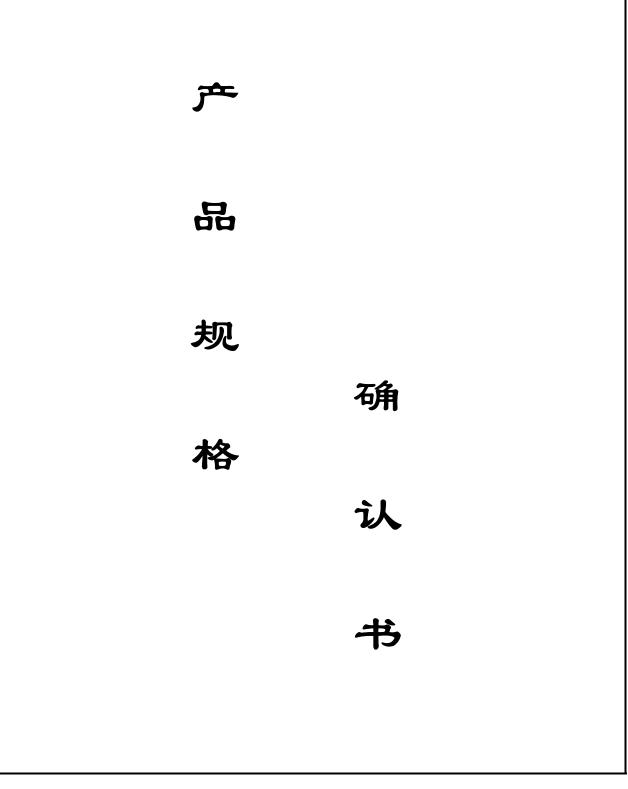
MXF SERIES

SURFACE MOUNT GENERAL PURPOSE RECTIFIERS

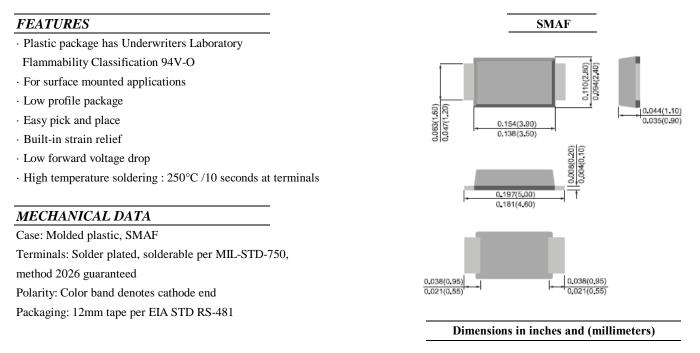


M1F THRU M7F

SURFACE MOUNT GENERAL PURPOSE RECTIFIERS

REVERSE VOLTAGE: FORWARD CURRENT:

50 to 1000 VOLTS 1.0 AMPERE



Maximum Ratings and Electrical Characteristics

Ratings at 25°C ambient temperature unless otherwise specified. Single phase, half wave, $60H_Z$, resistive or inductive load. For capacitive load, derate current by 20%.

	Symbols	M1F	M2F	M3F	M4F	M5F	M6F	M7F	Units
Maximum Recurrent Peak Reverse Voltage	V _{RRM}	50	100	200	400	600	800	1000	Volts
Maximum RMS Voltage	V _{RMS}	35	70	140	280	420	560	700	Volts
Maximum DC Blocking Voltage	V _{DC}	50	100	200	400	600	800	1000	Volts
Maximum Average Forward Rectified Current	I _(AV)	1.0							Amp
Peak Forward Surge Current,8.3ms single half-sine- wave superimposed on rated load (JEDEC method)	I _{FSM}	25							Amp
Maximum Forward Voltage at 1.0A	V _F	1.1							Volts
Maximum Reverse Current at at T _A =25°C	т	5.0							μАтр
Rated DC Blocking Voltage T _A =125°C	I _R	100							
Typical Junction Capacitance (Note 1)	CJ	7							pF
Typical Thermal Resistance (Note 2)	R _{0JA}	83							°C/W
Operating Junction Temperature Range	T _J	-55 to +150							ĉ
Storage Temperature Range	Tstg	-55 to +150							°C

NOTES:

1- Measured at 1 $\ensuremath{\text{MH}}_Z$ and applied reverse voltage of 4.0 VDC.

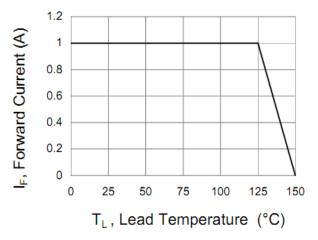
2- Thermal resistance from junction to ambient mounted on P.C.B. with 0.3 x 0.3" (8.0 x 8.0mm) copper pad areas

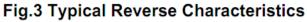


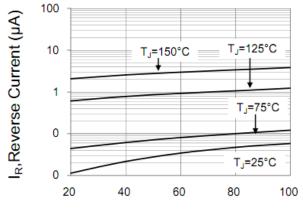
康 比 雪 3 HORNBY ELECTRONIC

RATINGS AND CHARACTERISTIC CURVES

Fig.1 Forward Current Derating Curve







Percent of Rated Peak Reverse Voltage (%)

Fig.2 Typical Junction Capacitance

