

F16U80CT/F16U80F

主要参数 MAIN CHARACTERISTICS

$I_{F(AV)}$	16 (2×8) A
V_{RRM}	800 V
T_j	150 °C

用途

- 高频开关电源
- 续流电路和保护电路

APPLICATIONS

- High frequency switch power supply
- Free wheeling diodes, polarity protection applications

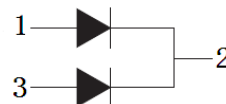
产品特性

- 共阴结构
- 高效率
- 环保 (RoHS) 产品

FEATURES

- Common cathode structure
- high efficiency
- RoHS product

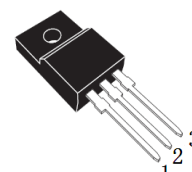
封装 Package



T0-220



T0-220F

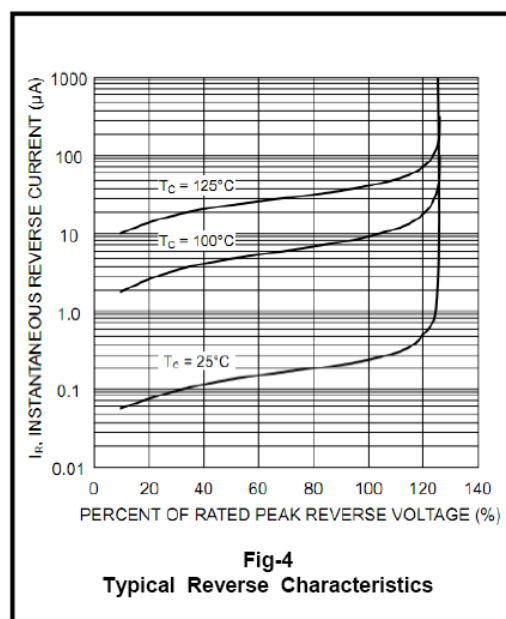
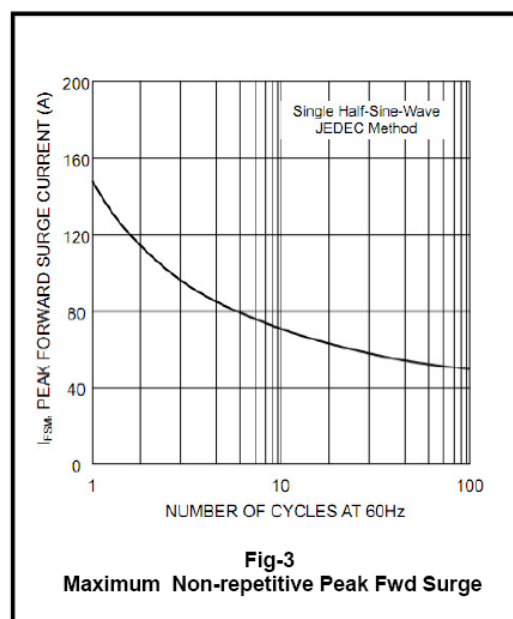
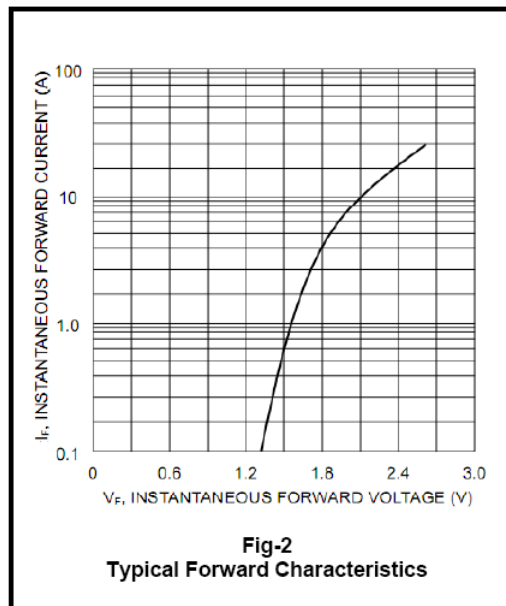
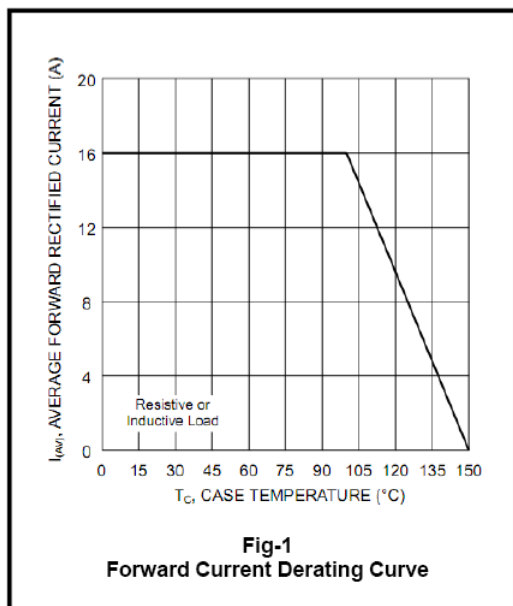


绝对最大额定值 ABSOLUTE RATINGS (T_C=25℃)

项 目 Parameter		符 号 Symbol	F16U80	单 位 Unit
最大反向重复峰值电压 Repetitive peak reverse voltage		V _{RRM}	800	V
最大直流阻断电压 Maximum DC blocking voltage		V _{DC}	800	V
正向平均整流电流 Average forward current	Per leg	I _{F(AV)}	8	A
	Total device		16	
正向峰值浪涌电流 Surge non repetitive forward current (额定负载 8.3ms 半正弦波—按 JEDEC 方法) 8.3 ms single half-sine-wave (JEDEC Method)		I _{FSM}	125	A
最大正向电压 (I=8A)	T=25℃	V _F	2.1	V
最大反向漏电流	T=25℃	I _R	5	UA
	T=100℃		250	UA
结到管壳的热阻 Thermal resistance from junction to case		R _{th(j-c)}	3.0	℃/W
结到管环境的热阻 Thermal resistance from junction to Ambient		R _{th(j-A)}	6.0	℃/W
典型反向恢复时间(note 1)		T _{rr}	50	ns
最高结温 Maximum junction temperature		T _j	150	℃
储存温度 Storage temperature range		T _{STG}	-55~+150	℃

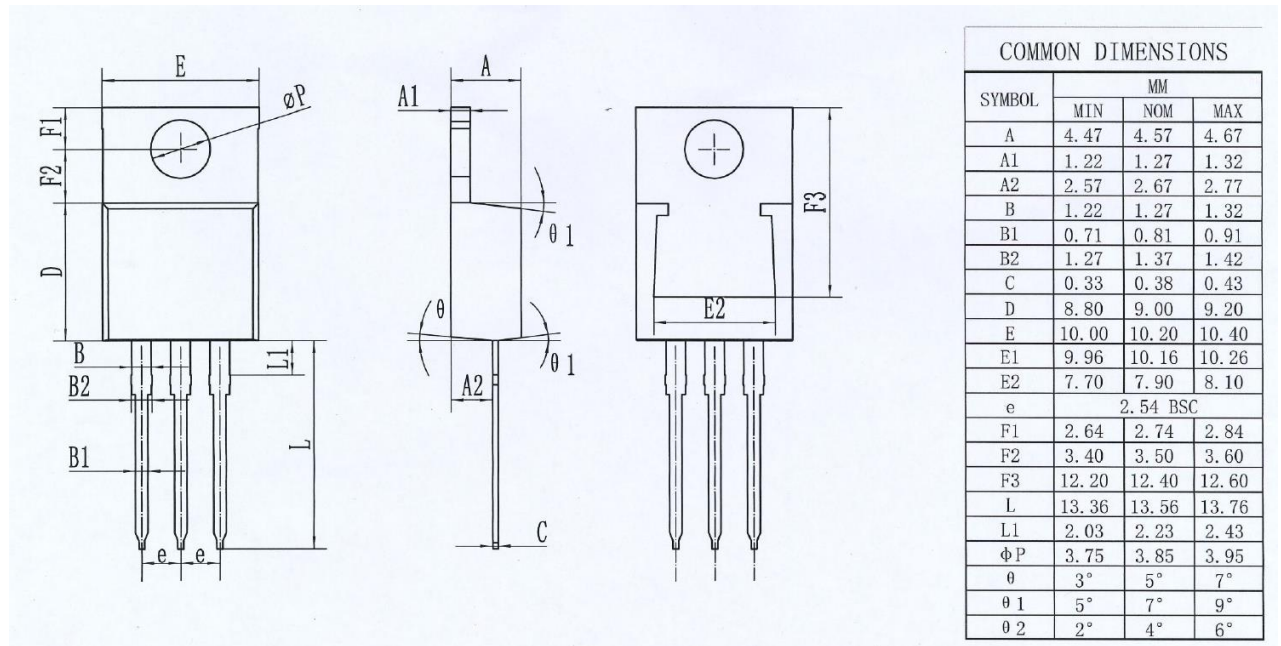
Note: 1. Reverse recovery test conditions I_F=0.5A, I_R=1A, I_{RR}=0.25A

特征曲线 ELECTRICAL CHARACTERISTICS (curves)



外形尺寸 PACKAGE MECHANICAL DATA

TO-220



TO-220F

