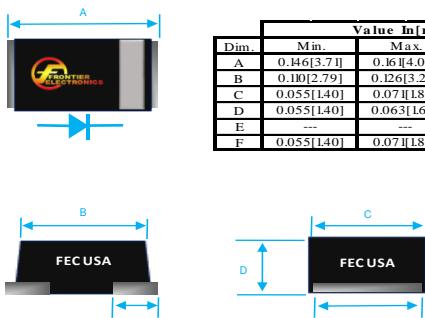


1A SURFACE MOUNT SCHOTTKY BARRIER RECTIFIERS



Dim.	Value In[mm]		Typ.
	Min.	Max.	
A	0.146[3.71]	0.161[4.09]	---
B	0.110[2.79]	0.126[3.20]	---
C	0.055[1.40]	0.071[1.80]	---
D	0.055[1.40]	0.063[1.60]	---
E	---	---	0.035[0.89]
F	0.055[1.40]	0.071[1.80]	---

PRODUCT FEATURES

1. FLAMMABILITY CLASSIFICATION: 94V-0
2. EXTREMELY LOW VF
3. MAJORITY CARRIER CONDUCTION
4. BUILT-IN STRAIN RELIEF
5. LOW PROFILE
6. CASE: THIN SMA
7. DIMENSIONS IN INCHES AND (MILLIMETERS)
8. POLARITY: INDICATED BY CATHODE BAND
9. WEIGHT: 0.05 GRAMS
10. ROHS

MAXIMUM RATINGS AND ELECTRICAL CHARACTERISTICS RATINGS AT 25°C AMBIENT TEMPERATURE UNLESS OTHERWISE SPECIFIED STORAGE AND OPERATING TEMPERATURE RANGE -55°C TO + 150°C. SINGLE PHASE, HALF WAVE, 60 HZ, RESISTIVE OR INDUCTIVE LOAD. FOR CAPACITIVE LOAD, DERATE CURRENT BY 20%

RATINGS		SYMBOL	VALUE	UNITS
MAXIMUM AVERAGE FORWARD RECTIFIED CURRENT (SEE FIG.1)		IO	1	A
PEAK FWD SURGE CURRENT, 8.3ms HALF SINE-WAVE SUPERIMPOSED ON RATED LOAD		IFSM	30	A
MAXIMUM REVERSE CURRENT AT 25°C		IR	500	uA

1. MAXIMUM FORWARD VOLTAGE AT IO DC

PART NUMBER	MAXIMUM RECURRENT PEAK REVERSE VOLTAGE VRRM (V)	MAXIMUM RMS VOLTAGE VRMS (V)	MAXIMUM DC BLOCKING VOLTAGE VDC (V)	MAXIMUM FORWARD VOLTAGE VF (V)
LK12	20	14	20	0.38
LK14	40	28	40	0.4

RATING AND CHARACTERISTIC CURVES

FIG. 1 - FORWARD CURRENT DERATING CURVE

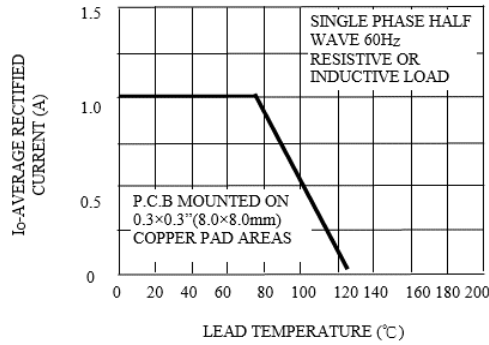


FIG.2 - TYPICAL INSTANTANEOUS FORWARD CHARACTERISTICS

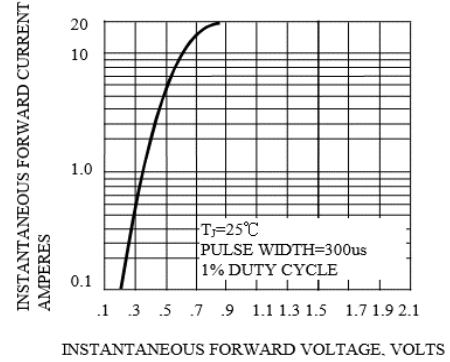


FIG. 3 - TYPICAL REVERSE CHARACTERISTICS

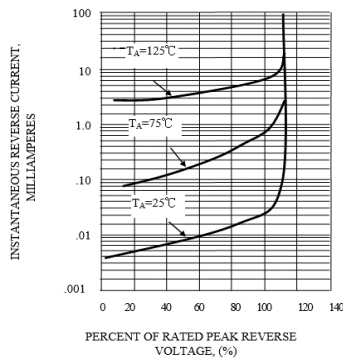


FIG. 4 - TYPICAL JUNCTION CAPACITANCE

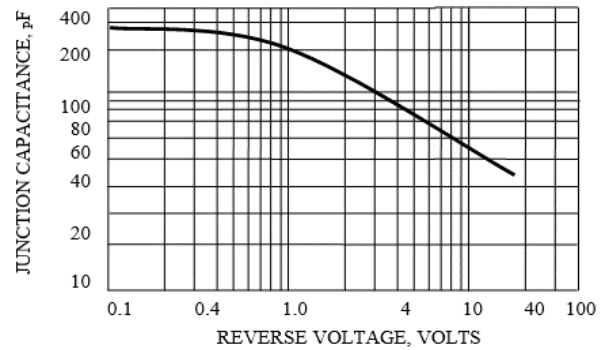


FIG. 5 - MAXIMUM NON-REPETITIVE SURGE CURRENT

