

## RATING AND CHARACTERISTICS CURVES ( FM220 THRU FM2200 )

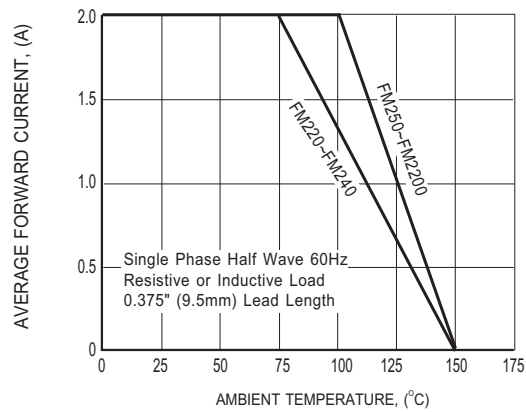


FIG.1 TYPICAL FORWARD CURRENT DERATING CURVE

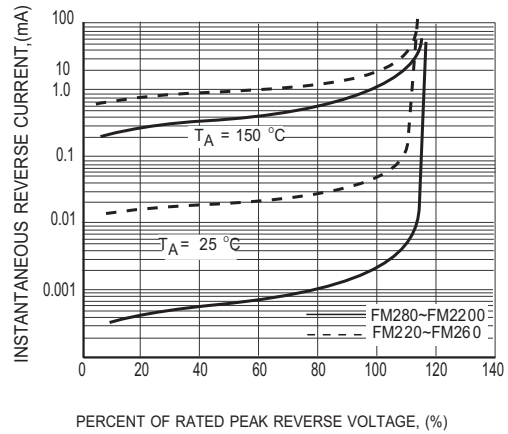


FIG.2 MAXIMUM REVERSE CHARACTERISTICS

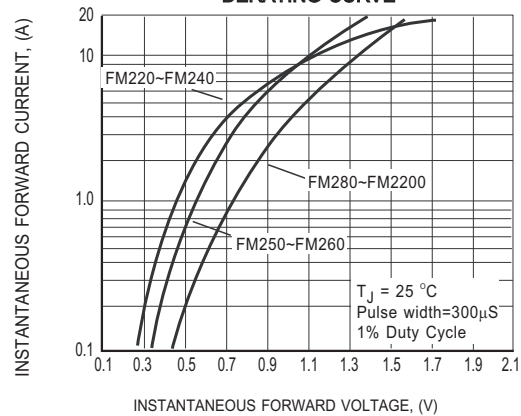


FIG.3 MAXIMUM INSTANTANEOUS FORWARD CHARACTERISTICS

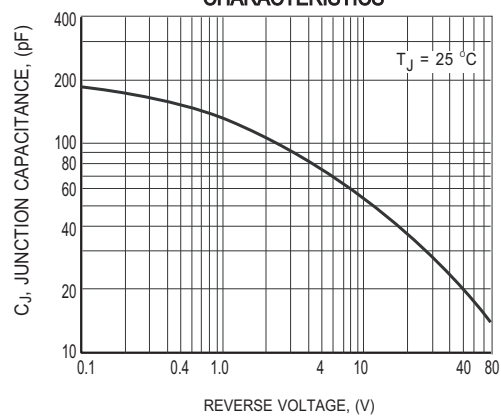


FIG.4 TYPICAL JUNCTION CAPACITANCE

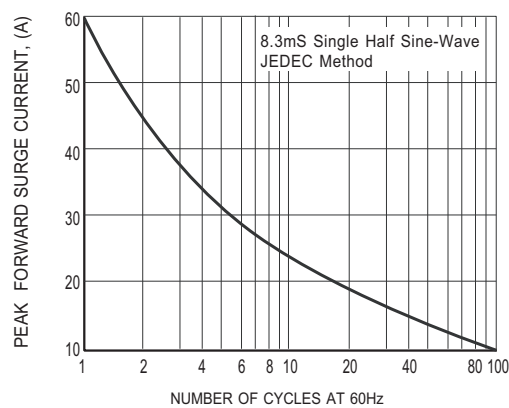
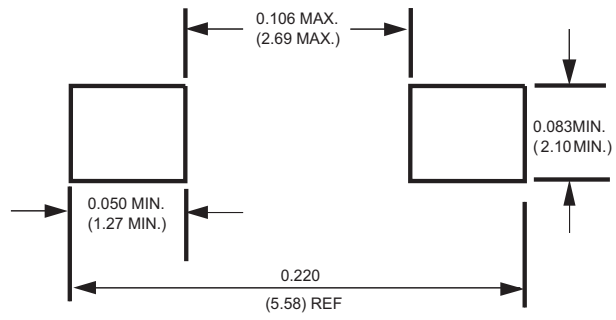


FIG.5 MAXIMUM NON-REPETITIVE FORWARD SURGE CURRENT



## Mounting Pad Layout



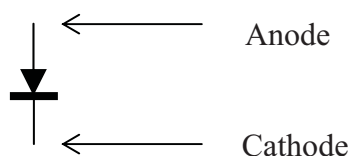
Dimensions in inches and (millimeters)



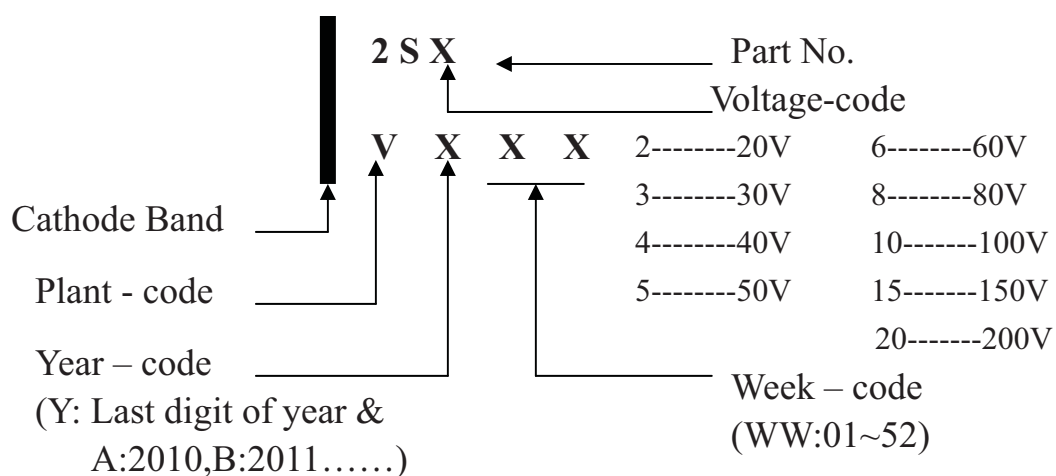


## Attachment information about FM2XX

### 1. Internal Circuit



### 2. Marking on the body





## **Attachment information about FM2XX**

### **3. Items marked on the reel box and carton**

#### **3.1 On the reel (for -T & -W)**

**CUSTOMER**

**TYPE**

**QUANTITY**

**LOT NO.**

**Q.A.**

**REMARK**

#### **3.2 On the box (for -T & -W)**

**TYPE**

**QUANTITY**

**LOT NO.**

**Q.A.**

#### **3.3 On the carton**

**CUSTOMER**

**TYPE**

**QUANTITY**

**LOT NO.**

**REMARK**

# REEL TAPING SPECIFICATIONS FOR SURFACE MOUNT DEVICES-FLAT MELF ( SMA/SMB/SMC )

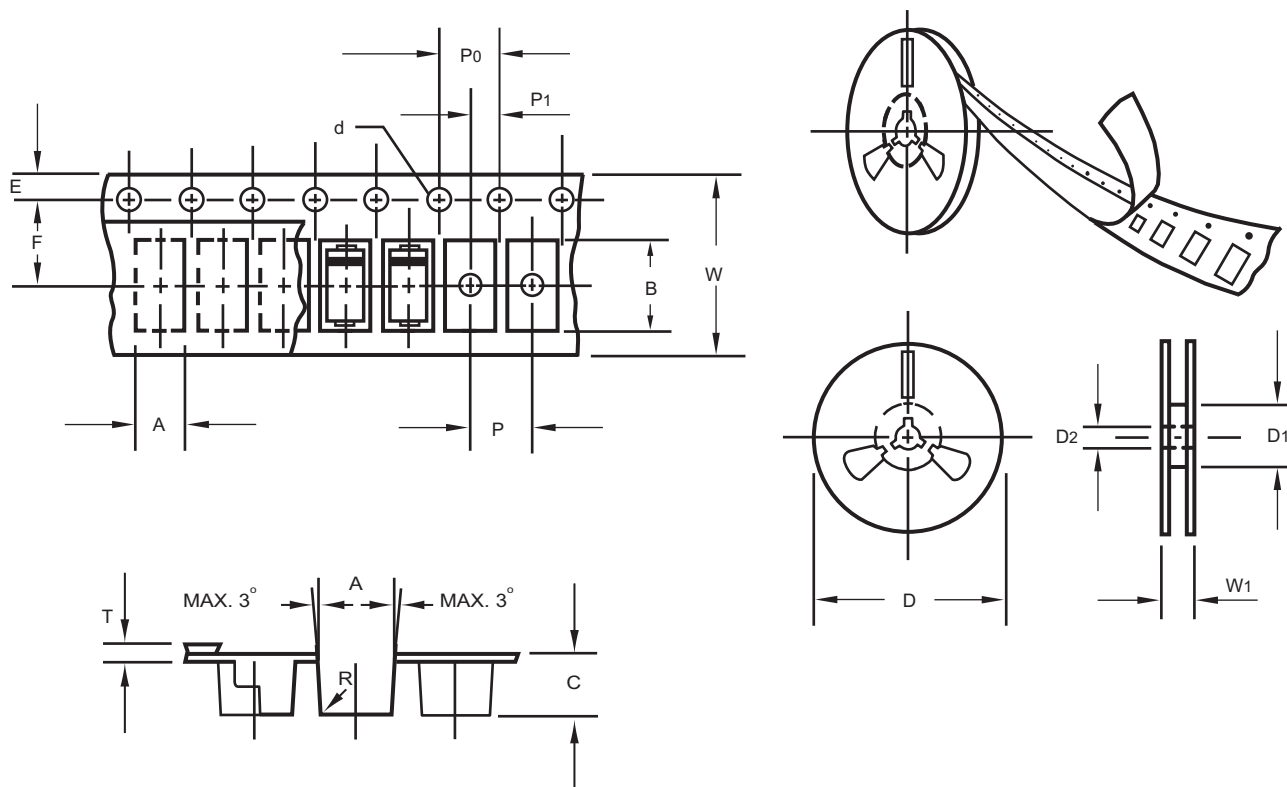


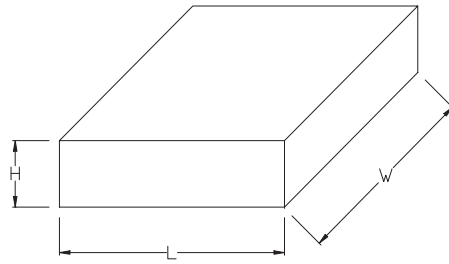
Fig.: Configuration of FLAT MELF TAPING  
(SMA/SMB/SMC)

ITEM	SYMBOL	DO214AC (SMA) mm(inch)	DO214AA (SMB) mm(inch)	DO214AB (SMC) mm(inch)
Carrier width	A	$2.6 \pm 0.15$ (0.102 $\pm$ 0.006)	$3.65 \pm 0.1$ (0.144 $\pm$ 0.004)	$6.0 \pm 0.1$ (0.236 $\pm$ 0.004)
Carrier length	B	$5.15 \pm 0.15$ (0.203 $\pm$ 0.006)	$5.69 \pm 0.1$ (0.224 $\pm$ 0.004)	$8.30 \pm 0.1$ (0.327 $\pm$ 0.004)
Carrier depth	C	$2.3 \pm 0.15$ (0.091 $\pm$ 0.006)	$2.67 \pm 0.1$ (0.105 $\pm$ 0.004)	$2.5 \pm 0.1$ (0.098 $\pm$ 0.004)
Sprocket hole	d	$1.5 \pm 0.1$ (0.059 $\pm$ 0.004)	$1.5 \pm 0.1$ (0.059 $\pm$ 0.004)	$1.5 \pm 0.1$ (0.059 $\pm$ 0.004)
Reel outside diameter	D	$178 \pm 2.0$ (7.0 $\pm$ 0.079)	$178 \pm 2.0$ (7.0 $\pm$ 0.079)	$178 \pm 2.0$ (7.0 $\pm$ 0.079)
Reel inner diameter	D1	50 Min.	50 Min.	50 Min.
Feed hole diameter	D2	$13 \pm 0.5$ (0.512 $\pm$ 0.020)	$13 \pm 0.5$ (0.512 $\pm$ 0.020)	$13 \pm 0.5$ (0.512 $\pm$ 0.020)
Sprocket hole position	E	$1.5 \pm 0.1$ (0.059 $\pm$ 0.004)	$1.5 \pm 0.1$ (0.059 $\pm$ 0.004)	$1.5 \pm 0.1$ (0.059 $\pm$ 0.004)
Punch hole position	F	$5.65 \pm 0.05$ (0.222 $\pm$ 0.002)	$5.65 \pm 0.05$ (0.222 $\pm$ 0.002)	$7.65 \pm 0.05$ (0.301 $\pm$ 0.002)
Punch hole pitch	P	$4.0 \pm 0.1$ (0.157 $\pm$ 0.004)	$8.0 \pm 0.1$ (0.315 $\pm$ 0.004)	$8.0 \pm 0.1$ (0.315 $\pm$ 0.004)
Sprocket hole pitch	P0	$4.0 \pm 0.1$ (0.157 $\pm$ 0.004)	$4.0 \pm 0.1$ (0.157 $\pm$ 0.004)	$4.0 \pm 0.1$ (0.157 $\pm$ 0.004)
Embossment center	P1	$2.0 \pm 0.1$ (0.079 $\pm$ 0.004)	$2.0 \pm 0.1$ (0.079 $\pm$ 0.004)	$4.0 \pm 0.1$ (0.157 $\pm$ 0.004)
Total tape thickness	T	$0.30 \pm 0.05$ (0.012 $\pm$ 0.002)	0.6 Max.	0.6 Max.
Tape width	W	$12.0 \pm 0.2$ (0.472 $\pm$ 0.008)	$12.0 \pm 0.2$ (0.472 $\pm$ 0.008)	$16.0 \pm 0.2$ (0.630 $\pm$ 0.008)
Reel width	W1	$16.8 \pm 2.0$ (0.661 $\pm$ 0.079)	$16.8 \pm 2.0$ (0.661 $\pm$ 0.079)	$24.0 \pm 2.0$ (0.945 $\pm$ 0.079)

Note: 1.Devices are packed in accordance with EIA standard RS-481-D and specification given above.

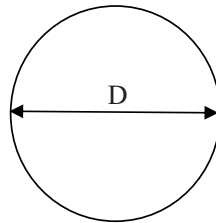
2.Available on 7 inch ( 1500 ct. ) or 13 inch ( 5000 ct. ) diameter reels.

### 1. BOX



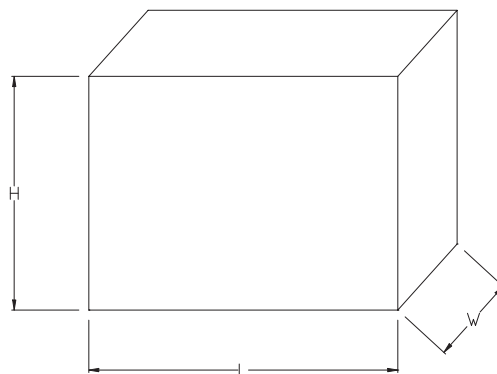
Packing Code	L (mm)	W (mm)	H (mm)
-T	182	182	68
-W	338	338	40

### 2. REEL



Packing Code	D (mm)
-T	178
-W	330

### 3. CARTON



Packing Code	L (mm)	W (mm)	H (mm)
-T	390	205	310
-W	360	355	360

## PACKAGING OF DIODE AND BRIDGE RECTIFIERS

### REEL PACK

PACKAGE	PACKING CODE	EA PER REEL	EA PER INNER BOX	COMPONENT SPACE (mm)	TAPE SPACE (mm)	REEL DIA (mm)	CARTON SIZE (mm)	EA PER CARTON	GROSS WEIGHT(Kg)
SMB	-W/-T	3,000	6,000	---	---	330	360*355*360	48,000	13.90

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