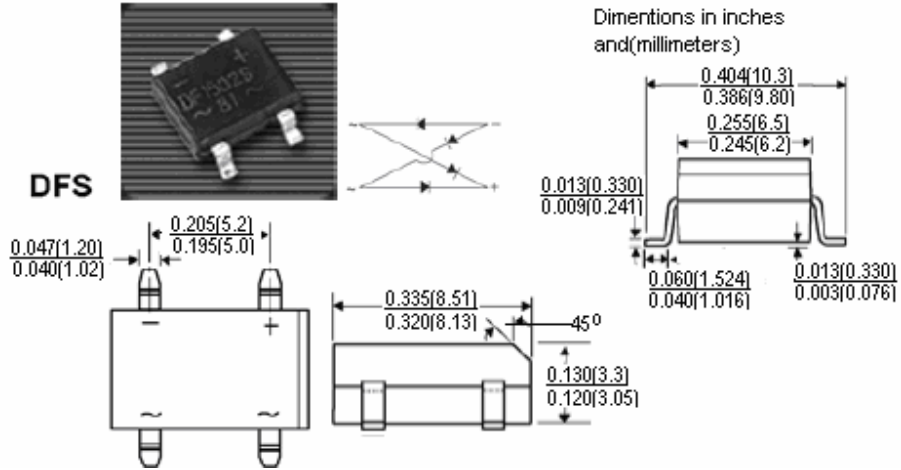
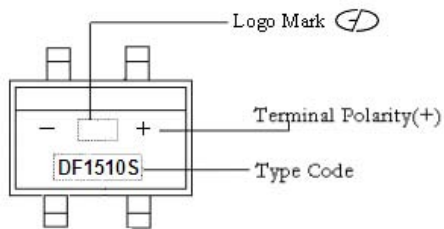




## 1. CASE DIMENSION



## 2. MARKING.



### Annual code

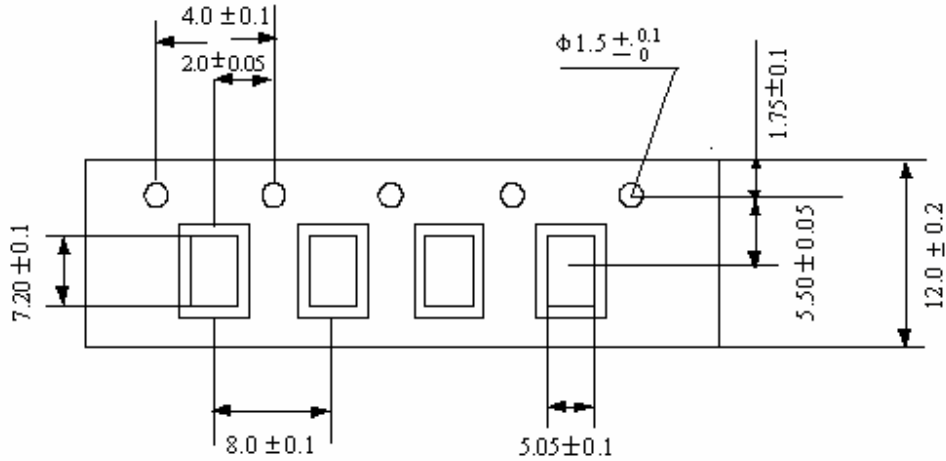
Year	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020
Code	9	A	B	C	D	E	F	G	H	J	K	0

### Monthly code

Month	1月	2月	3月	4月	5月	6月	7月	8月	9月	10月	11月	12月
Code	1	2	3	4	5	6	7	8	9	O	N	D



### 3. TAPING SPECIFICATION



### 4. ABSOLUTE MAXIMUM RATING

ITEM	SYMBOL	LIMIT								UNIT
		DF15005S	DF1501S DBS151	DF1502S DBS152	DF1503S DBS153	DF1504S DBS154	DF1506S DBS155	DF1508S DBS156	DF1510S DBS157	
Repetitive Peak Reverse Voltage	VRM	50	100	200	300	400	600	800	1000	V
Mean Rectifying Current at Ta=40°C on glass-epoxy P.C.B	I <sub>F(AV)</sub>	1.5								A
Peak Forward Surge Current Single half sine-wave superimposed on rated load(JEDEC Method) Tj=150°C	I <sub>FSM</sub>	50.0								A
Rating for fusing (t<8.3ms)	I <sup>2</sup> t	10								A <sup>2</sup> sec
Typical thermal resistance per leg <sup>(1)</sup>	RθJA	40								°C/W
	RθJL	15								
Junction Temperature	Tj	-55~150								°C
Storage and Operating Junction Temperature	Tstg	-55~150								°C

Note: 1. Units mounted on P.C.B.with 0.51" x 0.51"(13mm x 13mm) copper pads

### 5. ELECTRICAL CHARACTERISTICS

ITEM	SYMBOL	CONDITION	MAXIMUM	UNIT
Maximum Instantaneous Forward Voltage	V <sub>FM</sub>	IFM=0.75A (Per Leg)	1.1	V



Maximum DC reverse current at rate DC blocking voltage per leg	$I_{RRM}$	TA=25°C	5.0	$\mu A$
		TA=125°C	500.0	
Typical junction capacitance per leg	$C_j$	$V_R=4.0V$ DC $f=1MHz$	25	$pF$



## RATINGS AND CHARACTERISTIC CURVES

( $T_A = 25^\circ\text{C}$  unless otherwise noted)

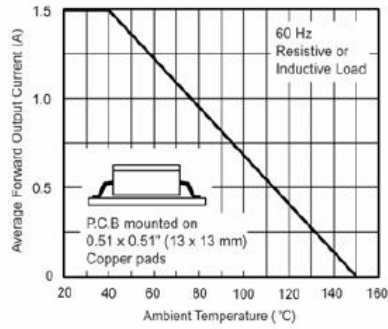


Figure 1. Derating Curve Output Rectified Current

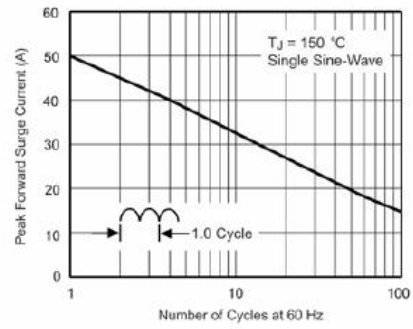


Figure 2. Maximum Non-Repulsive Peak Forward Surge Current Per Leg

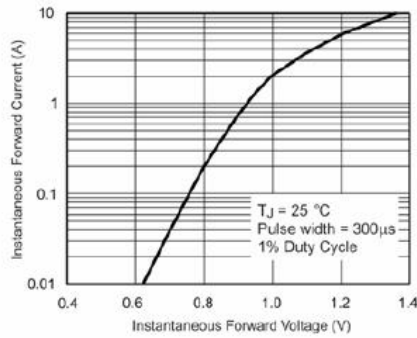


Figure 3. Typical Forward Characteristics Per Leg

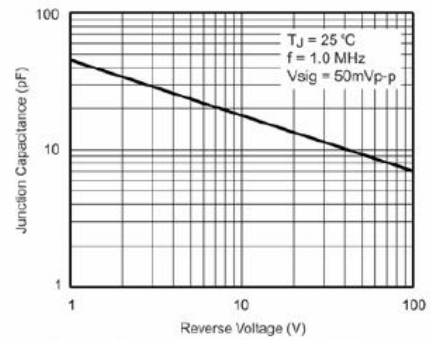


Figure 5. Typical Junction Capacitance Per Leg

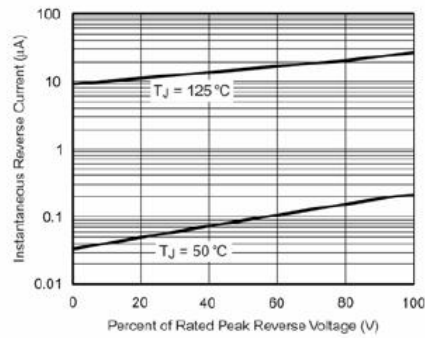


Figure 4. Typical Reverse Leakage Characteristics Per Leg

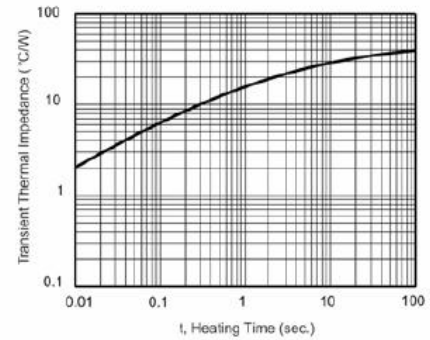


Figure 6. Typical Transient Thermal Impedance



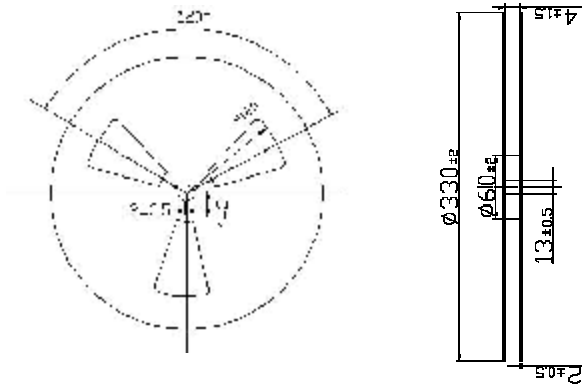
## 6. PACKAGING SPECIFICATION

### 1) . Reel Packaging

Primary Packaging                      330mm $\phi$ Reel

Quantity                                    1500pcs/Reel

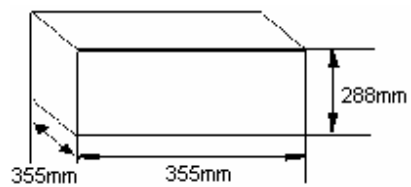
Reel packaging drawing



### 2) Secondary Packaging

Corrugated cardboard box (355mm $\times$ 355mm $\times$ 288mm)

Quantity                                    18,000pcs/box





## 7. DESCRIPTION of BOX LABEL

The following information is included on the box label(only for yr. reference)

1) Primary Packaging

TYPE: <b>DF1510S</b>	
Q' TY: 3, 000PCS	
LOT NO. : 0761344	
DATE CODE:0725 QA.	

2) Secondary Packaging

CUSTOMER: 110895	
TYPE: <b>DF1510S</b>	
Q' TY: 45KPCS	
LOT NO. : 0761344	
DATE CODE:0725	
N. W. : 2. 92KG	
G. W. : 7. 67KG      QA.	