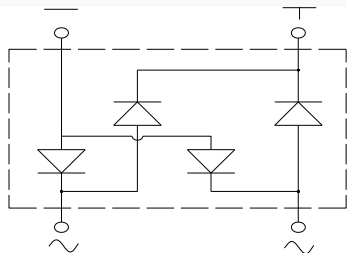
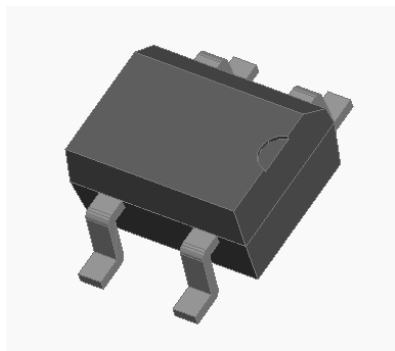


## MBSK12S THRU MBSK120S



Device marking code			MBSK12S	MBSK14S	MBSK16S	MBSK18S	MBSK110S	MBSK115S	MBSK120S
Repetitive peak reverse voltage	VRRM	V	20	40	60	80	100	150	200
Average rectified output current @60Hz Half-sine wave, Resistance load, Ta (FIG.1)	IO	A	1.0						
Surge(non-repetitive)forward current @ 60Hz half-sine wave,1 cycle, Tj=25	IFSM	A	30						
Current squared time @1ms t 8.3ms Tj=25 ,rating of per diode	I <sup>2</sup> t	A <sup>2</sup> S	3.7						
Storage temperature	Tstg		-55 ~+150						
Junction temperature	Tj		-55 ~+125			-55 ~+150			

**Electrical Characteristics** (Ta=25 Unless otherwise specified)

PARAMETER	SYMBOL	UNIT	TEST CONDITIONS	MBSK12S	MBSK14S
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# MBSK12S THRU MBSK120S

## Thermal Characteristics (T<sub>a</sub>=25 Unless otherwise specified)

PARAMETER		SYMBOL	UNIT	MBSK12S	MBSK14S	MBSK16S	MBSK18S	MBSK110S	MBSK115S	MBSK120S
Thermal Resistance	Between junction and ambient, On alumina substrate	R J-A	/W	76.0						
	Between junction and ambient, On glass-epoxy substrate	R J-A		134.0						
	Between junction and lead	R J-L		20.0						

## Ordering Information (Example)

PREFERED P/N	PACKING CODE	UNIT WEIGHT(g)	MINIMUM PACKAGE(pcs)	INNER BOX QUANTITY(pcs)	OUTER CARTON QUANTITY(pcs)	DELIVERY MODE
MBSK12S-MBSK120S	F1	Approximate 0.12	2500	5000	40000	13' reel
MBSK12S-MBSK120S	F2	Approximate 0.12	3000	6000	48000	13' reel

## Characteristics (Typical)

FIG1:Io-Ta Curve

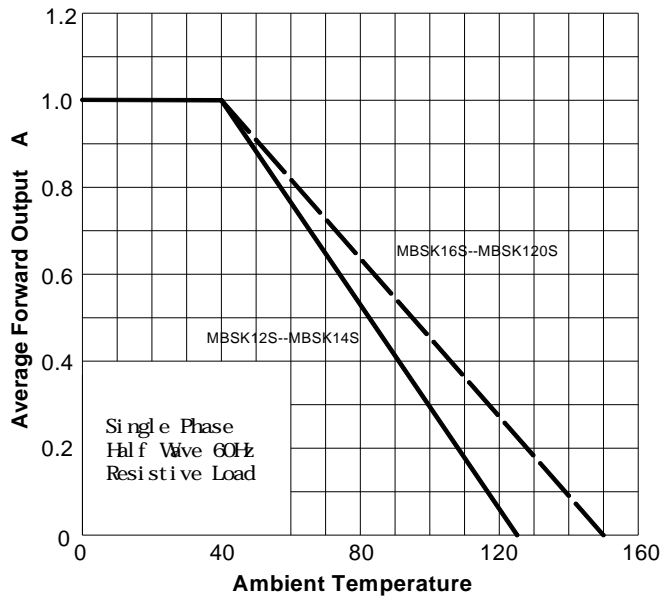
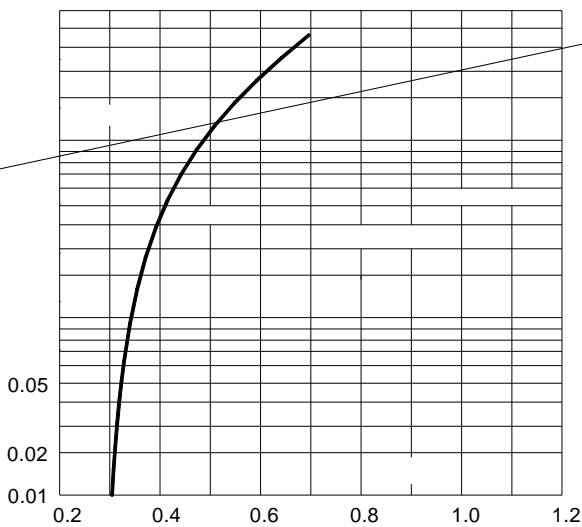
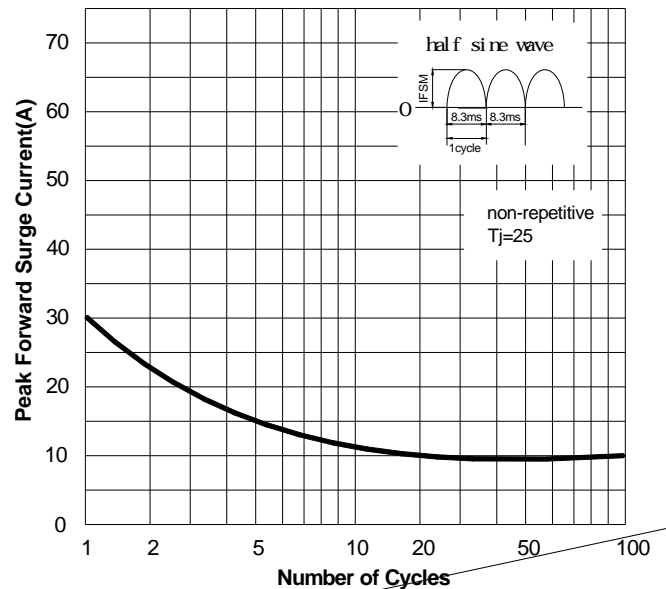


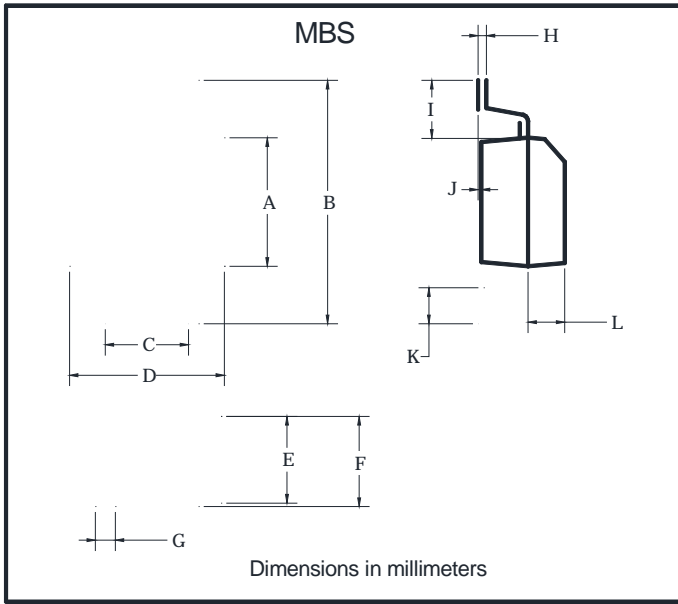
FIG2:Surge Forward Current Capability





# MBSK12S THRU MBSK120S

## Outline Dimensions



MBS		
Dim	Min	Max
A	3.60	4.00
B	7.00 Max	
C	2.20	2.60
D	4.50	4.90
E	2.30	2.70
F	3.00 Max	
G	0.56	0.84
H	0.15	0.35
I	1.10	2.12
J	0.20 Max	
K	0.70	1.10
L	0.95	1.53

## Suggested pad layout

Dim	Min
P1	6.00
P2	2.40
Q1	1.84
Q2	1.20



## MBSK12S THRU MBSK120S

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